USDA United States Department of Agriculture

Natural Resources Conservation Service

Montana Water Supply Outlook Report April 1, 2009

Picture: Black Bear SNOTEL Site - Winter of 1997

Water Supply Outlook Report
and
Federal - State - Private
Cooperative Snow Surveys

For more water supply and resource management information, contact:

Water Supply Specialist
Federal Building
10 East Babcock, Room 443
Bozeman, MT 59715
or
Phone 406-587-6991

How forecasts are made

Most of the annual streamflow in the Western United States originates as snowfall that has accumulated high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are combined with snowpack data to prepare runoff forecasts. Streamflow forecasts are coordinated by Natural Resources Conservation Service and National Weather Service hydrologists. This report presents a comprehensive picture of water supply conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data, and narratives describing current conditions.

Snowpack data are obtained by using a combination of manual and automated SNOTEL measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation and temperature are monitored on a daily basis and transmitted via meteor burst telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

Forecast uncertainty originates from two sources: (1) uncertainty of future hydrologic and climatic conditions, and (2) error in the forecasting procedure. To express the uncertainty in the most probable forecast, four additional forecasts are provided. The actual streamflow can be expected to exceed the most probable forecast 50% of the time. Similarly, the actual streamflow volume can be expected to exceed the 90% forecast volume 90% of the time. The same is true for the 70%, 30%, and 10% forecasts. Generally, the 90% and 70% forecasts reflect drier than normal hydrologic and climatic conditions; the 30% and 10% forecasts reflect wetter than normal conditions. As the forecast season progresses, a greater portion of the future hydrologic and climatic uncertainty will become known and the additional forecasts will move closer to the most probable forecast.

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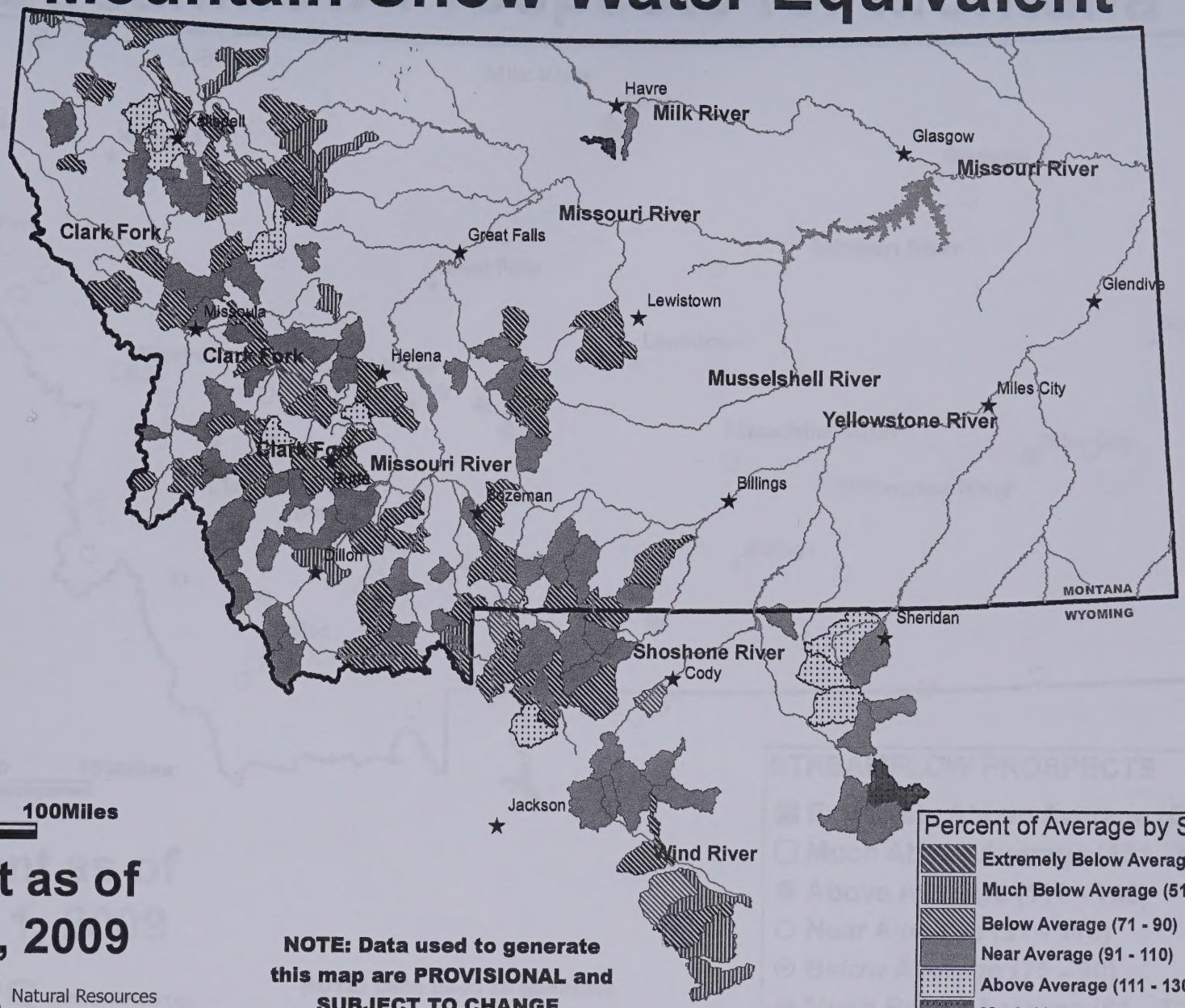
Mountain Snow Water Equivalent



Current as of April 1, 2009

NRCS Natural Resources Conservation Service

http://www.mt.nrcs.usda.gov

NOTE: Data used to generate this map are PROVISIONAL and SUBJECT TO CHANGE.

UNITED STATES DEPARTMENT OF AGRICULTURE

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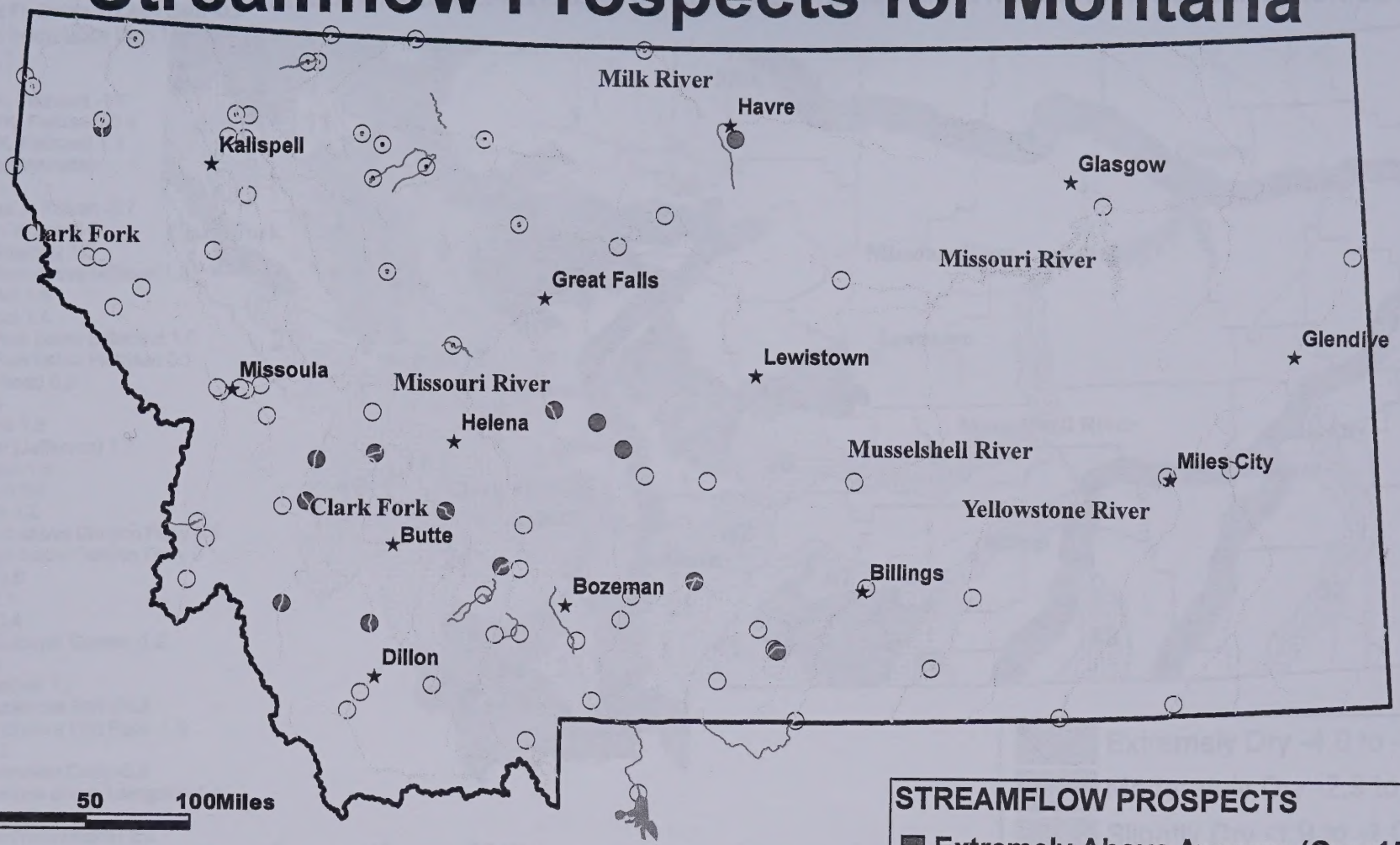
Streamflow Prospects for Montana



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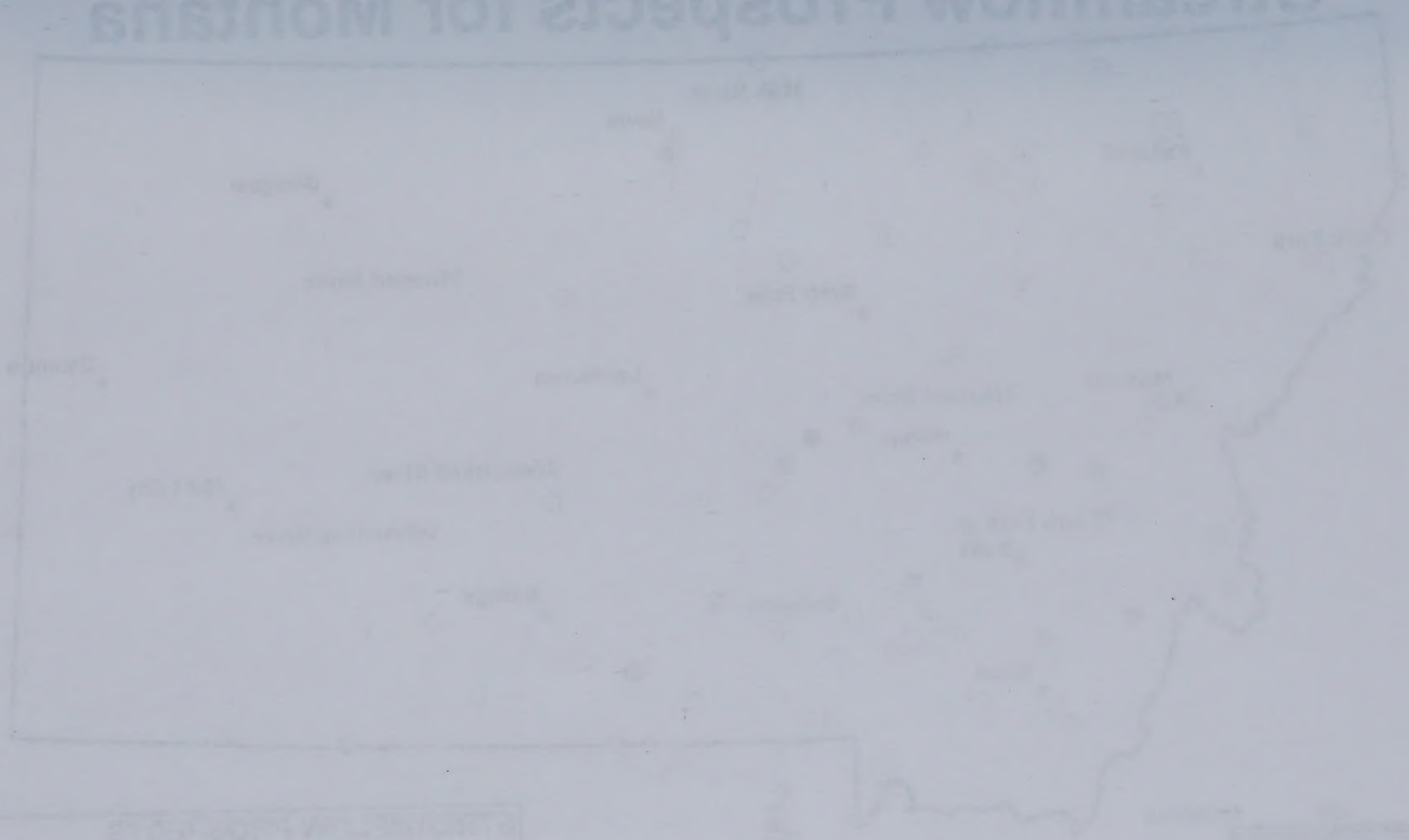
STREAMFLOW PROSPECTS

- Extremely Above Average (Over150)
- Much Above Average (131 - 150)
- Above Average (111 - 130)
- Near Average (91 - 110)
- Below Average (71 - 90)
- Much Below Average (51 - 70)
- Extremely Below Average (Below 51)



Surface Water Supply Index (SWSI) Values

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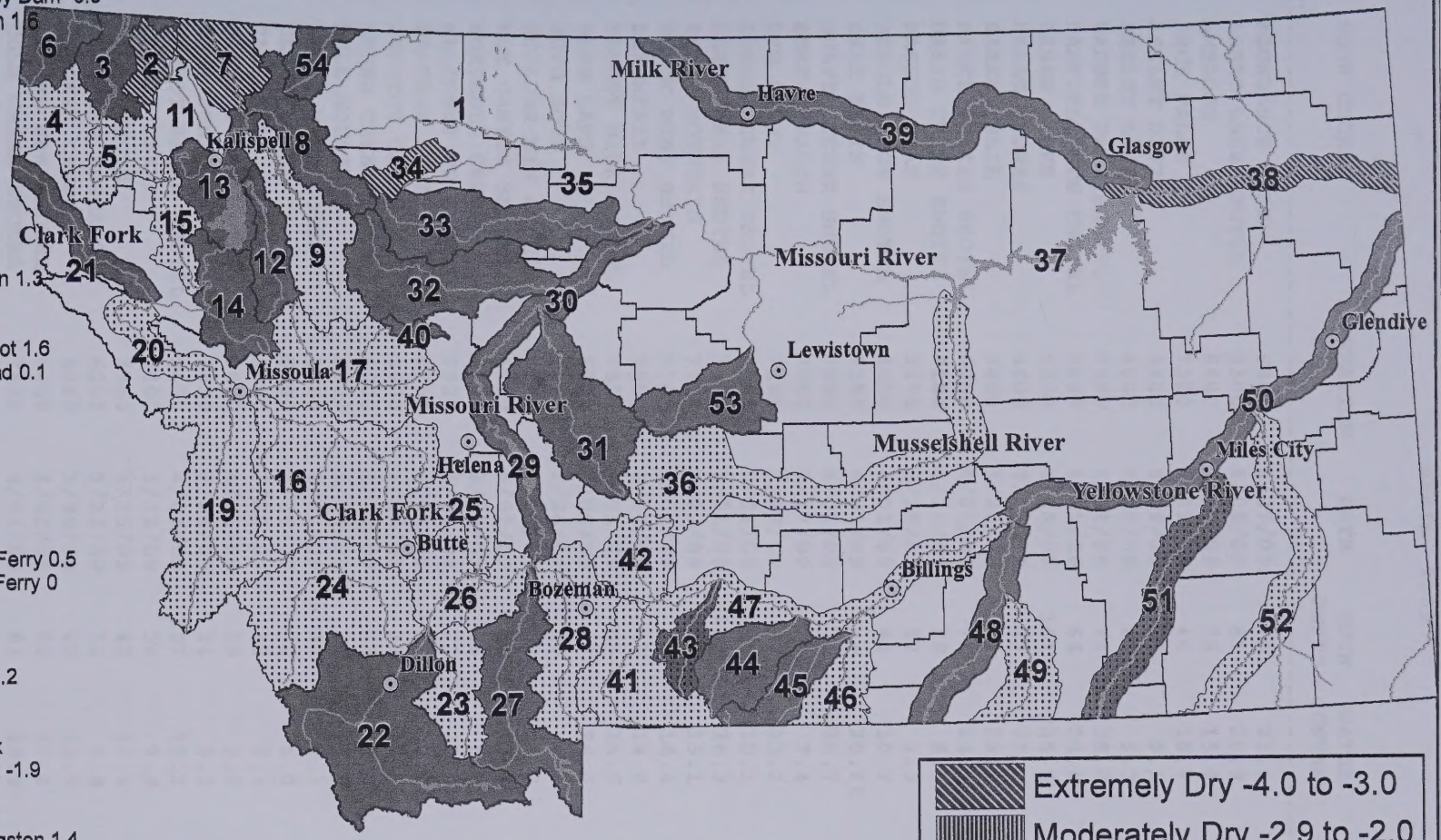

RIVER INDEX & SWSI VALUES
1 Marias above Tiber Reservoir
2 Tobacco -1
3 Kootenai Ft. Steele to Libby Dam -0.9
4 Kootenai below Libby Dam 1.6
5 Fisher 1.7
6 Yaak 0
7 North FK. Flathead -1.5
8 Middle FK. Flathead -0.4
9 South FK. Flathead 1.1
11 Stillwater/Whitefish
12 Swan 0.1
13 Flathead at Polson -0.7
14 Mission Valley -0.5
15 Little Bitterroot 1.6
16 Clark Fork above Milltown 1.3
17 Blackfoot 1.6
19 Bitterroot 1.4
20 Clark Fork below Bitterroot 1.6
21 Clark Fork below Flathead 0.1
22 Beaverhead 0.2
23 Ruby 1
24 Big Hole 1.3
25 Boulder (Jefferson) 1.7
26 Jefferson 1.8
27 Madison 0.6
28 Gallatin 1.2
29 Missouri above Canyon Ferry 0.5
30 Missouri below Canyon Ferry 0
31 Smith 0.6
32 Sun -0.1
33 Teton 0.4
34 Birch/Dupuyer Creeks -1.2
35 Marias
36 Musselshell 1.2
37 Missouriabove Fort Peck
38 Missouribelow Fort Peck -1.9
39 Milk 0.3
40 Dearbornnear Craig -0.9
41 Yellowstone above Livingston 1.4
42 Shields 1.8
43 Boulder(Yellowstone) 2.2
44 Stillwater 0.4
45 Rock/Red Lodge Creeks 0
46 Clarks Fork 1.4
47 Yellowstone above Bighorn 1.2
48 Bighorn below Bighorn Lake 0.6
49 Little Bighorn 1.2
50 Yellowstone below Bighorn 0.9
51 Tongue 2.6
52 Powder 1.8
53 Upper Judith River 0.3
54 Saint Mary River 0.1

0 45 90 Miles

Current as of April 1, 2009

- Extremely Dry -4.0 to -3.0
- Moderately Dry -2.9 to -2.0
- Slightly Dry -1.9 to -1.0
- Near Average -0.9 to 0.9
- Sightly Wet 1.0 to 1.9
- Moderately Wet 2.0 to 2.9
- Extremely Wet 3.0 to 4.0
- SWSI Not Applicable

NOTE: Data used to generate this map are PROVISIONAL and SUBJECT TO CHANGE.

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SNOTEL AND SNOW COURSE SUMMARY

APRIL 2009

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
ABUNDANCE LAKE	8800	3/27/09	76	23.6	23.3	20.6
ALBRO LAKE SNOTEL	8300	4/01/09	85	20.9	18.8	20.8
AMBROSE	6480	3/30/09	55	15.6	13.0	12.4
ARCH FALLS	7350	3/31/09	46	10.7	11.6	11.9
ASHLEY DIVIDE	4820	3/29/09	29	9.1	8.6	6.0
ASHLEY LAKE	4000	3/29/09	22	6.2	6.6	5.5
BADGER PASS SNOTEL	6900	4/01/09	94	28.2	39.5	35.3
BANFIELD MTN SNOTEL	5600	4/01/09	66	20.0	20.3	19.8
BAREE CREEK	5500	3/25/09	101	35.6	49.4	43.1
BAREE MIDWAY	4600	3/25/09	87	31.0	43.8	33.0
BAREE TRAIL	3800	3/25/09	39	13.4	20.5	7.7
BARKER LAKES SNOTEL	8250	4/01/09	78	18.3	14.1	14.6
BASIN CREEK SNOTEL	7180	4/01/09	38	8.7	6.9	8.7
BASSOO PEAK	5150	3/26/09	32	9.3	14.1	9.7
BEAGLE SPGS SNOTEL	8850	4/01/09	44	10.7	11.1	9.3
BEAR BASIN	8150	4/01/09	---	20.6E	22.7	20.4
BEAVER CREEK SNOTEL	7850	4/01/09	71	20.7	19.1	18.2
BERRY MEADOW	7000	3/27/09	28	7.4	5.6	7.4
BIG SNOWY	7150	3/26/09	46	13.2	15.1	20.2
BISSON CREEK SNOTEL	4920	4/01/09	38	10.3	10.3	9.9
BLACK BEAR SNOTEL	7950	4/01/09	113	36.3	47.2	39.8
BLACK MOUNTAIN	7750	3/27/09	53	15.1	12.6	14.6
BLACK PINE SNOTEL	7100	4/01/09	49	14.4	13.0	12.5
BLACKTAIL	5650	4/01/09	48	14.8	16.8	14.2
BLOODY DICK SNOTEL	7550	4/01/09	55	14.5	13.5	12.6
BLUE LAKE	5900	4/05/09	69	24.6	23.4	23.7
BOTS SOTS	7750	3/24/09	20	6.7	7.8	7.8
BOULDER MTN SNOTEL	7950	4/01/09	88	23.2	20.9	20.4
BOX CANYON SNOTEL	6700	4/01/09	46	13.8	11.5	10.4
BOXELDER CREEK	5100	3/30/09	28	6.9	7.4	7.6
BRACKETT CR SNOTEL	7320	4/01/09	72	22.0	21.1	21.5
BRANHAM LAKES	8850	4/01/09	---	30.2E	30.2	28.9
BRISTOW CREEK	3900	3/27/09	33	11.0	15.8	8.4
BRUSH CREEK TIMBER	5000	3/26/09	43	15.0	11.3	8.1
BULL MOUNTAIN	6600	4/03/09	30	9.0	5.9	5.9
BURNT MTN SNOTEL	5880	4/01/09	27	6.9	5.6	6.2
CABIN CREEK	5200	3/26/09	20	6.0	5.8	5.4
CALL ROAD	8050	3/28/09	38	9.5	10.8	11.9
CALVERT CR SNOTEL	6430	4/01/09	39	9.6	9.9	8.1
CAMP SENIA	7890	3/24/09	34	9.2	7.0	6.2
CARROT BASIN SNOTEL	9000	4/01/09	107	29.2	30.5	28.1
CARTER CREEK	7400	3/31/09	36	7.8	5.4	6.3
CEDAR GROVE	3760	3/25/09	42	13.4	18.1	11.4
CHESSMAN RESERVOIR	6200	3/23/09	16	3.8	3.9	3.5
CHICKEN CREEK	4060	3/30/09	42	13.9	23.0	15.2
CLOVER MDW SNOTEL	8800	4/01/09	69	17.6	16.6	18.0
COLE CREEK SNOTEL	7850	4/01/09	61	15.9	10.8	16.4
COLLEY CREEK	6300	4/01/09	33	9.3	8.2	7.9
COMBINATION SNOTEL	5600	4/01/09	22	5.3	6.7	4.9
COPPER BOTTOM SNOTEL	5200	4/01/09	29	8.4	9.9	11.0
COPPER CAMP SNOTEL	6950	4/01/09	108	41.9	52.3	--
COPPER CREEK	5700	3/27/09	32	10.9	13.8	13.3
COPPER MOUNTAIN	7700	3/27/09	42	9.8	10.6	11.2
COTTONWOOD CREEK	6400	3/27/09	26	7.7	6.7	8.3
COYOTE HILL	4200	3/26/09	28	9.6	11.2	8.7
CREVICE MOUNTAIN	8400	3/28/09	37	9.2	12.7	10.8
CRYSTAL LAKE SNOTEL	6050	4/01/09	45	11.6	12.5	12.3
DAD CREEK LAKE	8400	4/01/09	---	17.6E	11.7	14.9
DAISY PEAK SNOTEL	7600	4/01/09	54	11.1	7.9	11.0
DALY CREEK SNOTEL	5780	4/01/09	47	12.6	13.7	11.1

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
DAVIS CREEK	5400	3/25/09	65	20.8	26.8	24.2
DEADMAN CR SNOTEL	6450	4/01/09	50	12.2	11.3	10.0
DESERT MOUNTAIN	5600	4/05/09	51	15.7	16.6	14.7
DISCOVERY BASIN	7050	3/31/09	61	14.3	8.4	10.4
DIVIDE SNOTEL	7800	4/01/09	54	11.4	9.6	11.3
DIX HILL	6400	3/29/09	40	11.5	12.2	10.3
DUPUYER CREEK SNOTEL	5750	4/01/09	41	8.4	8.8	9.9
EAGLE CREEK	7000	3/31/09	64	18.0	12.0	13.8
EAST FORK R.S.	5400	3/26/09	20	6.0	6.3	4.7
EL DORADO MINE	7800	3/28/09	47	12.1	13.1	20.2
ELK HORN SPRINGS	7800	3/28/09	34	9.1	9.9	9.1
ELK PEAK	8000	3/25/09	49	12.5	11.6	16.1
EMERY CREEK SNOTEL	4350	4/01/09	52	14.7	17.7	15.3
FATTY CREEK	5500	3/25/09	62	19.5	23.9	24.3
FISH CREEK	8000	3/27/09	38	9.5	8.4	9.9
FISHER CREEK SNOTEL	9100	4/01/09	118	36.8	42.6	35.4
FIVE-BULL	5700	3/26/09	21	5.6	6.0	5.5
FLATTOP MTN SNOTEL	6300	4/01/09	119	35.1	48.7	45.1
FLEECER RIDGE	7500	3/30/09	50	10.2	10.2	10.9
FOOLHEN	8280	3/28/09	53	14.8	16.8	16.2
FOREST LAKE	6400	3/31/09	55	14.8	10.3	11.7
FOUR MILE	6900	3/29/09	25	6.4	8.0	8.4
FREIGHT CREEK	6000	3/29/09	54	11.6	14.2	14.8
FROHNER MDWS SNOTEL	6480	4/01/09	41	9.5	7.7	8.0
GARVER CREEK SNOTEL	4250	4/01/09	40	10.7	13.3	9.9
GIBBONS PASS	7100	3/27/09	62	20.4	25.8	22.7
GOAT MOUNTAIN	7000	3/26/09	38	10.6	11.5	9.7
GOLD CREEK LAKE	7200	3/28/09	71	21.1	21.9	14.7
GOLD STONE	8100	3/28/09	58	17.0	18.0	16.9
GRASSHOPPER	7000	3/25/09	22	6.3	4.6	5.8
GRAVE CRK SNOTEL	4300	4/01/09	53	14.4	18.8	15.6
GRIFFIN CR DIVIDE	5150	3/26/09	36	10.2	13.2	10.3
GUNSIGHT LAKE	6300	4/05/09	66	34.3	42.7	39.3
HAND CREEK SNOTEL	5030	4/01/09	51	14.7	14.0	11.7
HAWKINS LAKE SNOTEL	6450	4/01/09	84	23.8	29.1	27.4
HAYMAKER	8050	4/01/09	63	17.0	9.4	11.8
HEBGEN DAM	6550	3/30/09	36	8.6	10.6	12.0
HELL ROARING DIVIDE	5770	3/27/09	77	25.6	33.4	29.5
HERRIG JUNCTION	4850	/30/09	60	20.6	30.7	26.0
HOLBROOK	4530	3/25/09	27	6.7	11.6	8.2
HOODOO BASIN SNOTEL	6050	4/01/09	123	37.5	51.5	45.3
INDEPENDENCE	7850	3/23/09	58	18.2	16.4	17.4
INTERGAARD	6450	3/28/09	29	6.8	6.3	7.7
JAHNKE LAKE TRAIL	7200	3/28/09	36	10.0	11.2	10.4
JOHNSON PARK	6450	4/02/09	31	8.8	5.8	5.5
KINGS HILL	7500	3/26/09	40	10.0	4.2	13.7
KISHENEHN	3890	3/29/09	24	8.8	11.5	6.8
KRAFT CREEK SNOTEL	4750	4/01/09	47	13.7	15.7	14.1
LAKE CREEK	6100	3/28/09	19	5.7	8.3	8.2
LAKEVIEW CANYON	6930	4/01/09	---	10.8E	11.5	11.1
LAKEVIEW RDG. SNOTEL	7400	4/01/09	44	11.4	11.3	11.8
LEMHI RIDGE SNOTEL	8100	4/01/09	58	14.5	11.9	11.2
LICK CREEK SNOTEL	6860	4/01/09	47	11.1	11.9	13.0
LITTLE PARK	7400	3/27/09	52	16.2	18.1	15.9
LOGAN CREEK	4300	3/30/09	29	9.1	9.9	6.7
LONE MOUNTAIN SNOTEL	8880	4/01/09	76	21.2	21.9	18.7
LOST SOUL	4800	3/27/09	44	15.0	17.8	14.0
LOWER TWIN SNOTEL	7900	4/01/09	78	19.1	18.2	19.0
LUBRECHT SNOTEL	4680	4/01/09	24	6.4	5.5	3.6
LUBRECHT FOREST NO 3	5450	4/02/09	31	7.7	6.8	5.7
LUBRECHT FOREST NO 4	4650	4/02/09	10	2.7	2.3	1.3
LUBRECHT FOREST NO 6	4040	4/03/09	9	2.9	3.0	1.6
LUBRECHT HYDROPLOT	4200	4/02/09	19	4.8	5.6	2.9
MADISON PLT SNOTEL	7750	4/01/09	82	22.4	30.7	25.5

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
MARIAS PASS	5250	3/30/09	56	16.4	18.9	16.8
MIDDLE MILL CREEK	7850	4/01/09	62	16.8	16.4	15.6
MILL CREEK	7500	4/01/09	55	16.7	14.2	12.6
MINERAL CREEK	4000	3/26/09	29	8.0	19.5	17.4
MONUMENT PK SNOTEL	8850	4/01/09	85	24.9	24.2	21.0
MOSS PEAK SNOTEL	6780	4/01/09	109	35.0	34.7	38.2
MOULTON RESERVOIR	6850	3/27/09	29	8.0	7.3	6.9
MT LOCKHART SNOTEL	6400	4/01/09	72	19.3	23.2	21.1
MUDD LAKE	7650	3/27/09	62	18.2	21.4	19.5
MULE CREEK SNOTEL	8300	4/01/09	67	17.8	16.5	15.8
N.E. ENTRANCE SNOTEL	7350	4/01/09	40	11.2	11.0	11.3
NEVADA RIDGE SNOTEL	7020	4/01/09	61	16.9	15.8	15.5
NEW WORLD	6900	4/01/09	---	13.4E	15.3	14.6
NEZ PERCE CMP SNOTEL	5650	4/01/09	65	16.2	16.9	14.7
NEZ PERCE CREEK	6600	3/27/09	19	5.2	5.6	6.5
NEZ PERCE PASS	6570	4/01/09	---	20.3E	17.8	17.8
N.F. ELK CR SNOTEL	6250	4/01/09	54	14.1	11.2	12.4
NF JOCKO SNOTEL	6330	4/01/09	125	42.7	42.8	45.3
NOISY BASIN SNOTEL	6040	4/01/09	127	39.5	39.3	40.9
NOTCH	8500	3/28/09	51	13.5	18.6	16.7
OPHIR PARK	7150	3/29/09	56	17.4	13.8	16.7
PETERSON MDW SNOTEL	7200	4/01/09	63	14.2	9.1	10.5
PICKET PIN LOWER	6200	3/27/09	22	5.6	3.2	2.6
PICKET PIN MIDDLE	7250	3/27/09	29	8.5	8.2	10.9
PICKET PIN UPPER	8100	3/27/09	62	19.0	15.6	19.3
PICKFOOT CRK SNOTEL	6650	4/01/09	49	12.6	11.1	11.7
PIKE CREEK SNOTEL	5930	4/01/09	101	26.9	28.7	27.5
PIPESTONE PASS	7200	3/27/09	18	4.2	4.2	5.7
PLACER BASIN SNOTEL	8830	4/01/09	80	21.2	18.7	17.8
POORMAN CR SNOTEL	5100	4/01/09	102	36.2	45.6	32.7
PORCUPINE SNOTEL	6500	4/01/09	29	7.8	6.7	6.9
POTOMAGETON PARK	7150	3/30/09	56	15.0	14.9	13.8
RED MOUNTAIN	6000	4/01/09	61	19.3	21.0	18.8
REVAIS CREEK	4800	4/01/09	12	2.7	2.8	1.8
ROCK CREEK	5600	3/26/09	28	8.2	10.4	9.8
ROCK CREEK MEADOW	8160	3/30/09	77	21.7	24.9	20.7
ROCKER PEAK SNOTEL	8000	4/01/09	68	17.3	12.2	14.3
ROCKY BOY SNOTEL	4700	4/01/09	18	5.2	4.8	4.4
SACAJAWEA	6550	3/31/09	45	14.3	13.4	13.8
SACAJAWEA SNOTEL	6550	4/01/09	51	13.8	15.6	14.8
SADDLE MTN SNOTEL	7900	4/01/09	96	25.6	29.5	25.8
S.F. SHIELDS SNOTEL	8100	4/01/09	75	18.9	14.6	17.7
SHORT CREEK SNOTEL	7000	4/01/09	24	5.5	5.5	6.1
SHOWER FALLS SNOTEL	8100	4/01/09	93	24.3	25.5	22.7
SKALKAHO SNOTEL	7260	4/01/09	83	22.4	26.3	24.3
SLAG-A-MELT LAKE	8750	3/28/09	75	24.6	25.6	24.5
SLEEPING WOMAN SNTL	6150	4/01/09	66	19.3	20.7	17.2
SLIDE ROCK MOUNTAIN	7100	3/29/09	55	15.5	15.7	15.5
SMUGGLER MINE	6960	4/01/09	39	10.8	9.8	9.7
SPOTTED BEAR MTN.	7000	3/25/09	44	14.4	15.6	14.1
SPUR PARK SNOTEL	8100	4/01/09	92	24.5	21.8	21.5
STAHL PEAK SNOTEL	6030	4/01/09	112	30.7	39.2	35.3
STEMPLE PASS	6600	3/24/09	35	9.9	10.3	10.2
STORM LAKE	7780	3/25/09	59	16.1	12.4	13.3
STRYKER BASIN	6180	3/30/09	77	28.3	38.4	31.9
STUART MOUNTAIN SNTL	7400	4/01/09	110	34.2	34.0	34.2
TAYLOR ROAD	4080	3/30/09	15	4.0	2.7	1.7
TEN MILE LOWER	6600	3/23/09	28	6.8	7.1	7.0
TEN MILE MIDDLE	6800	3/23/09	38	10.0	9.1	11.4
TEPEE CREEK SNOTEL	8000	4/01/09	58	14.7	15.1	13.5
TIMBERLINE CREEK	8850	3/24/09	52	15.2	15.2	14.2
TIZER BASIN SNOTEL	6840	4/01/09	49	11.3	8.4	10.3
TRAIL CREEK	7090	3/28/09	38	11.0	8.5	8.5
TRINKUS LAKE	6100	3/25/09	105	38.4	43.6	42.0

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
TV MOUNTAIN	6800	3/25/09	58	15.5	20.1	18.3
TWELVEMILE SNOTEL	5600	4/01/09	66	22.1	25.8	17.5
TWENTY-ONE MILE	7150	3/30/09	56	16.5	18.1	16.9
TWIN CREEKS	3580	4/05/09	29	9.5	16.2	9.6
TWIN LAKES SNOTEL	6400	4/01/09	124	42.5	51.8	39.7
UPPER HOLLAND LAKE	6200	3/25/09	86	29.9	33.6	34.6
WALDRON SNOTEL	5600	4/01/09	48	11.5	11.9	10.8
WARM SPRINGS SNOTEL	7800	4/01/09	102	27.6	20.5	21.2
WEASEL DIVIDE	5450	3/30/09	76	27.1	34.2	32.9
WEST YELL'ST SNOTEL	6700	4/01/09	39	11.8	15.1	12.8
WHISKEY CREEK SNOTEL	6800	4/01/09	59	16.5	19.3	17.4
WHITE MILL SNOTEL	8700	4/01/09	83	24.7	28.8	24.6
WHITE PINE RIDGE	8850	3/28/09	28	6.8	5.7	6.0
WILLOW CREEK	6500	3/26/09	30	6.4	6.3	8.1
WOOD CREEK SNOTEL	5960	4/01/09	46	11.3	9.9	10.0
WRONG CREEK	5700	3/27/09	32	10.2	13.0	12.3
WRONG RIDGE	6800	3/28/09	45	12.2	17.0	18.0

Montana Water Supply Outlook Report as of April 1, 2009

March mountain snow water content gains were well above average. In the Columbia River Basin accumulated March snow water content was 170 percent of average, the Missouri River Basin was 163 percent of average, and in the Yellowstone River Basin was 134 percent of average. After a sluggish February it is great to have significant snow water content increases during March.

Snowpack

Seasonal snowpack accumulation on April 1 for the Columbia is 96 percent; Missouri is 93 percent; and Yellowstone is 91 percent. State-wide mountain snow water content was 100 percent of average and 91 percent of last year. West of the Continental Divide snowpack was 98 percent of average and 86 percent of last year. East of the Continental Divide snowpack was 100 percent of average and 97 percent of last year.

RIVER BASIN	% OF AVERAGE	% OF LAST YEAR	MARCH % CHANGE
COLUMBIA	98	86	+13
KOOTENAI, MONTANA	97	80	+19
KOOTENAI, CANADA	100	107	+26
FLATHEAD, MONTANA	93	84	+ 7
FLATHEAD, CANADA	85	78	+20
UPPER CLARK FORK	108	106	+18
BITTERROOT	105	88	+14
LOWER CLARK FORK	95	74	+11
MISSOURI	100	98	+13
MISSOURI HEADWATERS	101	97	+12
JEFFERSON	103	102	+12
MADISON	96	89	+11
GALLATIN	102	94	+11
MISSOURI MAINSTEM	100	103	+16
HEADWATERS MAINSTEM	108	114	+11
SMITH-JUDITH-MUSSELSHELL	105	114	+14
SUN-TETON-MARIAS	93	88	+20
MILK (Bearpaw Mtns.)	118	108	+ 1
ST. MARY	73	67	+ 4
ST. MARY & MILK	80	74	+ 1
YELLOWSTONE	102	98	+ 7
UPPER YELLOWSTONE	106	100	+10
LOWER YELLOWSTONE	96	96	+ 2
STATEWIDE	100	92	+13

Precipitation

March mountain and valley precipitation across the state was 135 percent of average and 152 percent of last year, while the water year precipitation was 103 percent of average and 99 percent of last year. West of the Continental Divide, March mountain and valley precipitation was 136 percent of average and 99 percent of last year and the water year precipitation was 99 percent of average and 93 percent of last year. East of the Divide, March mountain and valley precipitation was 135 percent of average and 106 percent of last year and the water year precipitation was 106 percent of average and 104 percent of last year.

RIVER BASIN	MARCH % OF AVERAGE	WATER YEAR % OF AVERAGE
COLUMBIA	136	99
KOOTENAI	139	87
FLATHEAD	120	92
UPPER CLARK FORK	147	114
BITTERROOT	144	106
LOWER CLARK FORK	138	96
MISSOURI	135	105
JEFFERSON	158	111
MADISON	148	101
GALLATIN	137	107
MISSOURI MAINSTEM	136	117
SMITH-JUDITH-MUSSELSHELL	133	111
SUN-TETON-MARIAS	135	91
MILK	24	112
ST. MARY	113	76
YELLOWSTONE	134	110
UPPER YELLOWSTONE	137	106
LOWER YELLOWSTONE	126	111
STATEWIDE	135	103

Reservoirs

Major reservoir storages statewide were 93 percent of average and 115 percent of last year. Reservoir storage west of the Continental Divide was 145 percent of average and 105 percent of last year. East of the Continental Divide, reservoir storage was 80 percent of average and 120 percent of last year.

RIVER BASIN	% OF AVERAGE	% OF LAST YEAR
COLUMBIA	145	105
KOOTENAI	200	107
FLATHEAD	112	103
UPPER CLARK FORK	125	139
BITTERROOT	106	107
LOWER CLARK FORK	116	105
MISSOURI	78	121
JEFFERSON	88	117
MADISON	108	103
GALLATIN	138	105
MISSOURI MAINSTEM	76	121
SMITH-JUDITH-MUSSELSHELL	89	185
SUN-TETON-MARIAS	104	123
MILK	92	166
ST. MARY	170	193
YELLOWSTONE	117	114
UPPER YELLOWSTONE	116	125
LOWER YELLOWSTONE	117	114
STATEWIDE	93	115

Streamflow

State-wide, streamflow forecasts average 89 to 101 percent. West of the Continental Divide, streamflow forecasts average 95 and 103 percent and east of the Continental Divide, average between 85 and 100 percent.

Water users and water managers need to pay particular attention to local basins affecting their water supplies, as there are localized areas where snowpack and streamflow forecasts are below average.

Below are averaged river basin streamflow forecast summaries for the period April 1 through July 31. THESE FORECASTS ASSUME NEAR NORMAL SPRING CONDITIONS AND DO NOT ACCOUNT FOR WELL BELOW AVERAGE (70% or less) OR WELL ABOVE AVERAGE (130% or more) SNOWMELT OR SPRING RAIN. Specific forecast probabilities are available in each individual River Basin Report.

RIVER BASIN	April-July THIS YEAR % OF AVERAGE	April-July LAST YEAR % OF AVERAGE
COLUMBIA	95 to 103	99 to 106
KOOTENAI	85 to 91	101 to 108
FLATHEAD	90 to 98	98 to 106
UPPER CLARK FORK	102 to 114	88 to 99
BITTERROOT	99 to 105	106 to 112
LOWER CLARK FORK	97 to 101	110 to 114
MISSOURI	83 to 98	75 to 91
JEFFERSON	89 to 105	73 to 91
MADISON	86 to 92	100 to 106
GALLATIN	97 to 106	99 to 109
MISSOURI MAINSTEM	86 to 99	87 to 100
SMITH-JUDITH-MUSSELSHELL	86 to 108	45 to 62
SUN-TETON-MARIAS	66 to 82	82 to 97
MILK	78 to 99	59 to 88
ST. MARY	83 to 91	95 to 102
YELLOWSTONE	91 to 102	93 to 105
UPPER YELLOWSTONE	93 to 101	94 to 103
LOWER YELLOWSTONE	87 to 103	92 to 107
STATEWIDE	89 to 101	87 to 99

Surface Water Supply Index

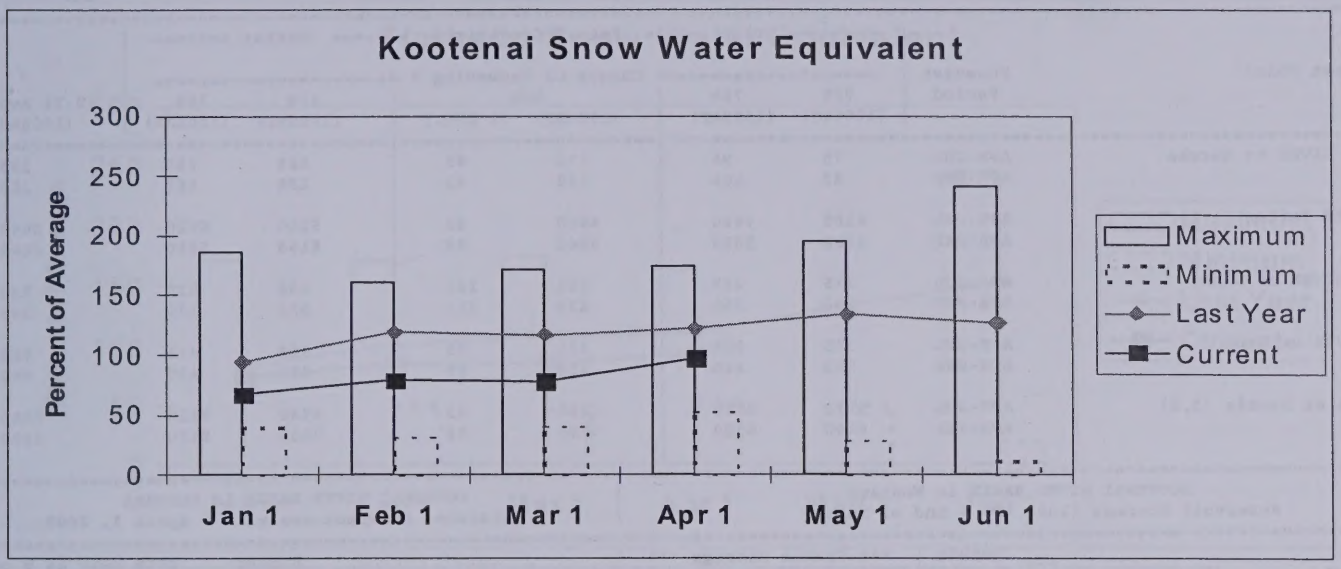
The Surface Water Supply Index (SWSI) is an indicator of surface water supply conditions for the spring and summer months. Water users that rely on mountain precipitation can use the index to evaluate seasonal surface water supplies. The SWSI accounts for mountain snowpack, mountain precipitation, streamflow, reservoir storage, and soil moisture.

SWSI RATING	SURFACE WATER CONDITION
+3.0 to +4.0	Extremely Wet
+2.0 to +3.0	Moderately Wet
+1.0 to +2.0	Slightly Wet
-1.0 to +1.0	Near Average
-1.0 to -2.0	Slightly Dry
-2.0 to -3.0	Moderately Dry
-3.0 to -4.0	Extremely Dry

This Year SWSI	Last Year SWSI	Basin
-1.0	+1.5	Tobacco River
-0.9	+0.9	Kootenai Ft. Steele to Libby Dam
+1.6	+2.5	Kootenai River below Libby Dam
+1.7	+2.3	Fisher River
0.0	+1.6	Yaak River
-1.5	+1.2	North Fork Flathead River
-0.4	+1.3	Middle FORK Flathead River
+1.1	+1.3	South Fork Flathead River
+0.1	+1.2	Flathead River at Columbia Falls
+0.1	+0.1	Swan River
-0.7	+1.0	Flathead River at Polson
-0.5	----	Mission Valley
+1.6	----	Little Bitterroot River
+1.3	+1.3	Clark Fork River above Milltown
+1.6	+0.3	Blackfoot River
+1.4	+2.0	Bitterroot River
+1.6	+1.7	Clark Fork River below Bitterroot River
+0.1	+1.2	Clark Fork River below Flathead River
+0.2	-0.2	Beaverhead River
+1.0	-0.8	Ruby River
+1.3	+0.4	Big Hole River
+1.7	-1.1	Boulder River (Jefferson)
+1.8	+0.7	Jefferson River
+0.6	+0.7	Madison River
+1.2	+1.0	Gallatin River
+0.5	+0.1	Missouri River above Canyon Ferry
0.0	-0.3	Missouri River below Canyon Ferry
+0.6	+0.9	Smith River
-0.1	-0.3	Sun River
+0.4	+0.6	Teton River
-1.2	-2.9	Birch/Dupuyer Creeks
+0.3	-2.9	Upper Judith River
----	-0.2	Marias River above Tiber
----	-1.3	Marias River below Tiber
+1.2	-1.5	Musselshell River
----	-0.8	Missouri River above Ft. Peck
-1.9	-3.4	Missouri River below Ft. Peck
+0.1	+1.2	St. Mary River
+0.3	-1.9	Milk River
-0.9	+0.6	Dearborn River near Craig
+1.4	+2.0	Yellowstone River above Livingston
+1.8	-0.3	Shields River
+2.2	+0.7	Boulder River (Yellowstone)
+0.4	+0.6	Stillwater River
0.0	-3.2	Rock/Red Lodge Creeks
+1.4	+2.5	Clarks Fork River
+1.2	+1.7	Yellowstone River above Bighorn River
+0.6	+0.1	Bighorn River below Bighorn Lake
+1.2	+1.2	Little Bighorn River
+0.9	+1.0	Yellowstone River below Bighorn River
+2.6	+2.7	Tongue River
+1.8	+2.0	Powder River

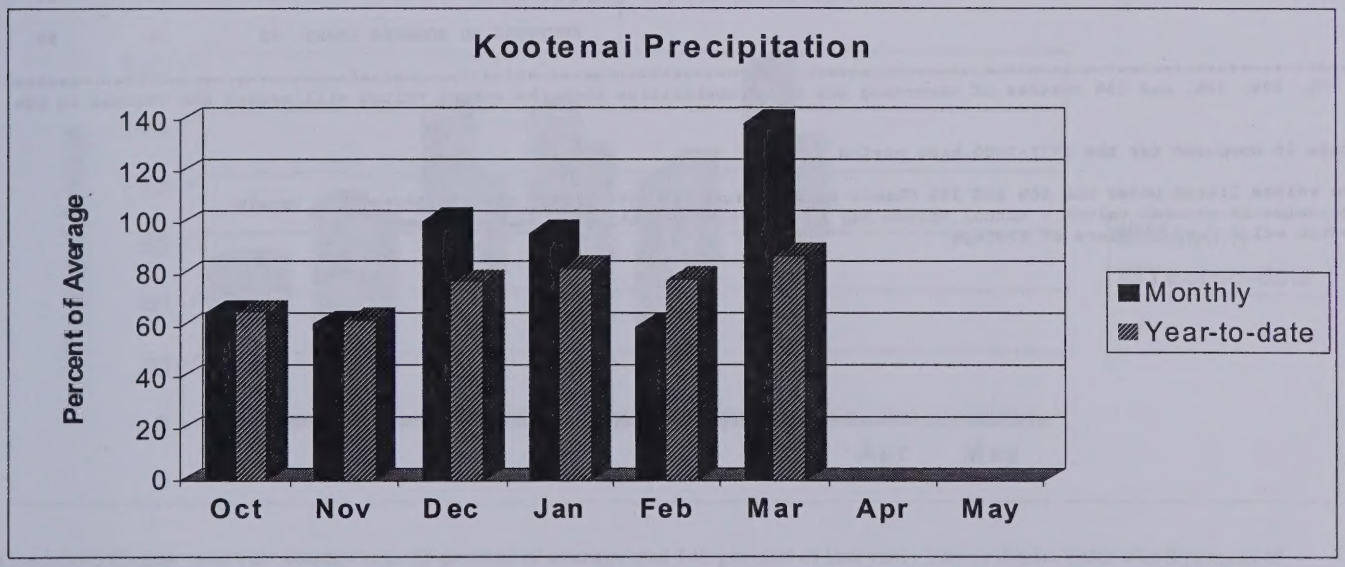
Kootenai River Basin in Montana

March accumulated snow water was 200 percent of average. Snowpack conditions in the Kootenai River Basin were near average and increased 19 percent from March 1. Snow water content was 97 percent of average and 80 percent of last year. Snowpack in the Kootenay in Canada was average. Snow water content was 100 percent of average and 107 percent of last year.



January maximum swe was established in 1997 and minimum was in 1977; February maximum swe was in 1997 and minimum swe was in 1977; March maximum swe was in 1972 and minimum swe was in 1977; April maximum swe was in 1974 and minimum swe was in 2001and 2005; May maximum swe was in 1974 and minimum swe was in 1977; and June maximum swe was in 1974 and minimum swe was in 1992. Average is for the period 1971 through 2000.

Mountain precipitation during March was 136 percent of average and 139 percent of last year. Valley precipitation during March was 181 percent of average and 95 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 87 percent of average and 80 percent of last year.



Lake Koocanusa storage was 200 percent of average and 107 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 85 to 91 percent.

Surface Water Supply Index (SWSI) was -1.0 in the Tobacco River; -0.9 in the Kootenai Ft. Steele to Libby Dam; +1.6 in the Kootenai River below Libby Dam; +1.7 in the Fisher River; and 0.0 in the Yaak River.

KOOTENAI RIVER BASIN in Montana
Streamflow Forecasts - April 1, 2009

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
TOBACCO RIVER nr Eureka	APR-JUL	75	96	110	81	124	145	136
	APR-SEP	83	106	122	81	138	161	150
LIBBY RES Inflow (1,2)	APR-JUL	4100	4690	4960	88	5230	5820	5640
	APR-SEP	4830	5520	5840	88	6160	6850	6640
FISHER RIVER nr Libby	APR-JUL	215	245	265	115	285	315	230
	APR-SEP	230	260	280	114	300	330	245
YAAK RIVER nr Troy	APR-JUL	315	365	395	85	425	475	465
	APR-SEP	335	380	415	85	450	495	490
KOOTENAI at Leonia (1,2)	APR-JUL	5290	5920	6200	88	6480	7110	7040
	APR-SEP	6190	6850	7150	88	7450	8110	8120

KOOTENAI RIVER BASIN in Montana
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
LAKE KOOCANUSA	5748.0	3484.0	3248.0	1743.7

KOOTENAI RIVER BASIN in Montana
Watershed Snowpack Analysis - April 1, 2009

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
KOOTENAY in CANADA	24	107	100
KOOTENAI MAINTSTEM	7	81	100
TOBACCO	3	78	86
FISHER	5	79	106
YAAK	4	83	93
KOOTENAI in MONTANA	18	80	97
KOOTENAI ab BONNERS FERRY	42	91	99

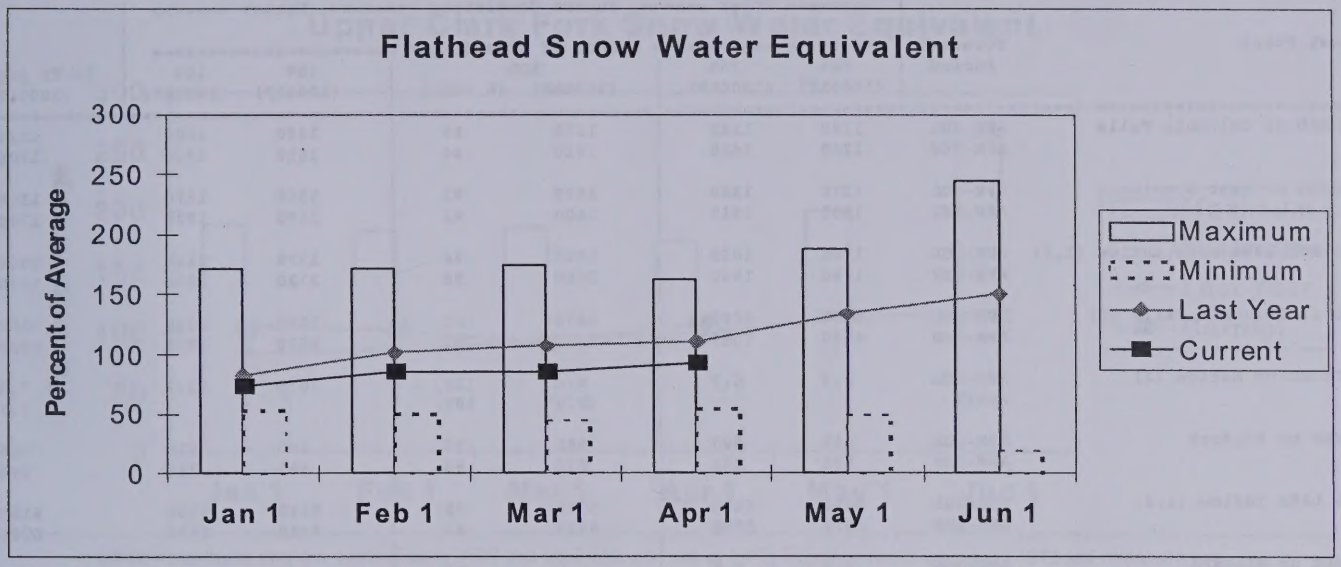
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

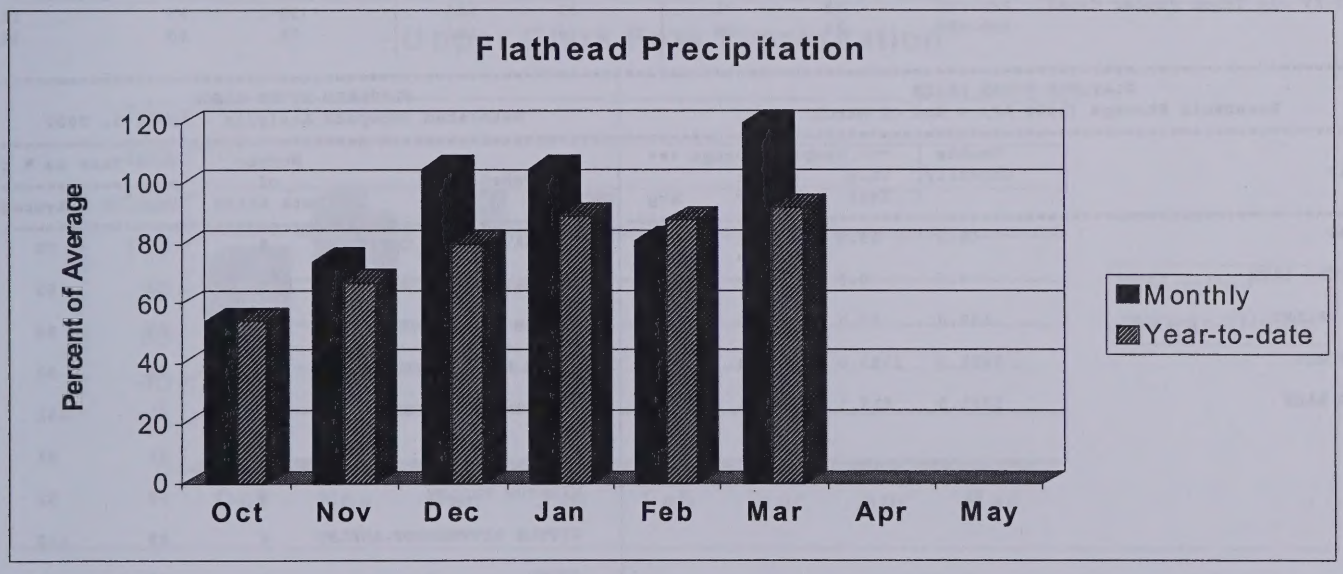
Flathead River Basin

March accumulated snow water was 146 percent of average. Snowpack conditions in the Flathead River Basin were slightly below average and increased 7 percent from March 1. Snow water content was 93 percent of average and 84 percent of last year. Snowpack in the Flathead of Canada were below average and increased 20 percent from March 1. Snow water content was 85 percent of average and 78 percent of last year.



January maximum swe was established in 1997 and minimum was in 2001; February maximum swe was in 1972 and minimum was in 2001; March maximum swe was in 1972 and minimum was in 2005; April maximum swe was in 1972 and minimum was in 2005; May maximum swe was in 1972 and minimum was in 1992; and June maximum swe was in 1974 and minimum was in 1992. Average is for the period 1971 through 2000.

Mountain precipitation during March was 121 percent of average and 91 percent of last year. Valley precipitation during March was 104 percent of average and 101 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 92 percent of average and 91 percent of last year.



Combined Camas reservoir storage was 53 percent of average and 148 percent of last year; Lower Jocko Lake was 0 percent of average; combined Mission Valley reservoir storage was 97 percent of average and 240 percent of last year; Hungry Horse storage was 125 percent of average and 102 percent of last year; and Flathead Lake storage was 83 percent of average and 102 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 90 to 98 percent.

Surface Water Supply Index (SWSI) was -1.5 in the North Fork Flathead River; -0.4 in the Middle Fork Flathead River; +1.1 in the South Fork Flathead River; +0.1 in the Flathead River at Columbia Falls; +0.1 in the Swan River; -0.7 in the Flathead River at Polson; -0.5 in the Mission Valley; and +1.6 in the Little Bitterroot River.

FLATHEAD RIVER BASIN
Streamflow Forecasts - April 1, 2009

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
NF FLATHEAD nr Columbia Falls	APR-JUL	1140	1280	1370	85	1460	1600	1620
	APR-SEP	1260	1410	1510	84	1610	1760	1800
MF FLATHEAD nr West Glacier	APR-JUL	1270	1390	1470	93	1550	1670	1590
	APR-SEP	1380	1510	1600	92	1690	1820	1740
HUNGRY HORSE Reservoir Inflow (1,2)	APR-JUL	1700	1850	1910	96	1970	2120	2000
	APR-SEP	1780	1960	2040	96	2120	2300	2120
FLATHEAD at Columbia Falls (2)	APR-JUL	4350	4660	4870	91	5080	5390	5350
	APR-SEP	4690	5050	5290	91	5530	5890	5820
ASHLEY CREEK nr Marion (2)	APR-JUL	3.9	6.7	8.6	119	10.5	13.3	7.2
	APRIL			2.9	107			2.7
SWAN RIVER nr Bigfork	APR-JUL	445	500	540	96	580	635	565
	APR-SEP	505	565	610	95	655	715	645
FLATHEAD LAKE Inflow (1,2)	APR-JUL	5150	5490	5650	91	5810	6150	6180
	APR-SEP	5570	5950	6130	92	6310	6690	6700
MILL CREEK nr Niarada	APR-JUL	2.8	3.5	4.0	97	4.5	5.2	4.1
	APR-SEP	3.0	3.8	4.3	97	4.8	5.6	4.5
SOUTH CROW CREEK nr Ronan	APR-JUL	7.8	9.1	10.0	99	10.9	12.2	10.1
	APR-SEP	8.8	10.3	11.3	98	12.3	13.8	11.5
MISSION CREEK nr St Ignatius	APR-JUL	22	24	26	103	28	30	25
	APR-SEP	26	29	31	103	33	36	30
SOUTH FORK JOCKO RV nr Arlee	APR-JUL	22	28	32	106	36	42	30
	APR-SEP	26	32	36	106	40	46	34
NF JOCKO RV blw Tabor Feeder Canal	APR-JUL	29	31	33	105	35	37	31
	APR-SEP	32	34	36	106	38	40	34

FLATHEAD RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
CAMAS (4)	45.2	13.5	9.1	25.4
LOWER JOCKO LAKE	6.4	0.0	---	0.1
MISSION VALLEY (8)	100.0	37.5	15.6	38.8
HUNGRY HORSE	3451.0	2353.0	2311.0	1886.7
FLATHEAD LAKE	1791.0	616.1	604.3	738.5

FLATHEAD RIVER BASIN
Watershed Snowpack Analysis - April 1, 2009

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
NF FLATHEAD in CANADA	4	78	85
NF FLATHEAD in MONTANA	9	73	82
MIDDLE FORK FLATHEAD	7	80	88
SOUTH FORK FLATHEAD	8	85	92
STILLWATER-WHITEFISH	10	81	101
SWAN	7	94	91
MISSION VALLEY	4	93	92
LITTLE BITTERROOT-ASHLEY	6	85	115
JOCKO	5	95	98
FLATHEAD in MONTANA	41	84	93
FLATHEAD RIVER BASIN	45	83	92

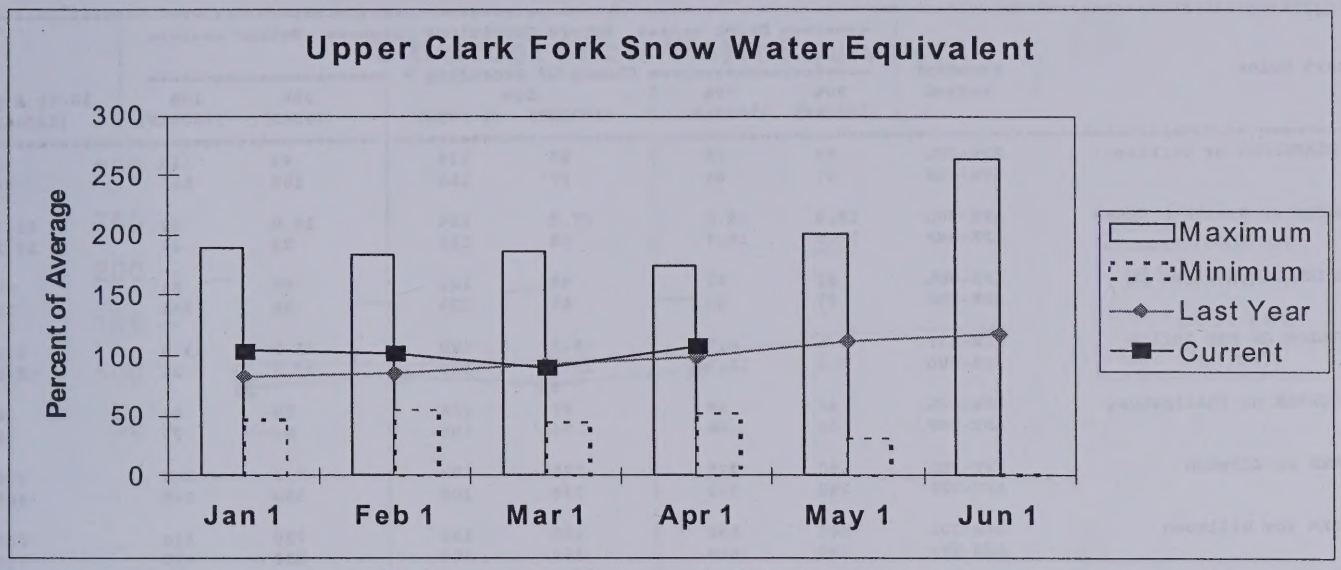
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

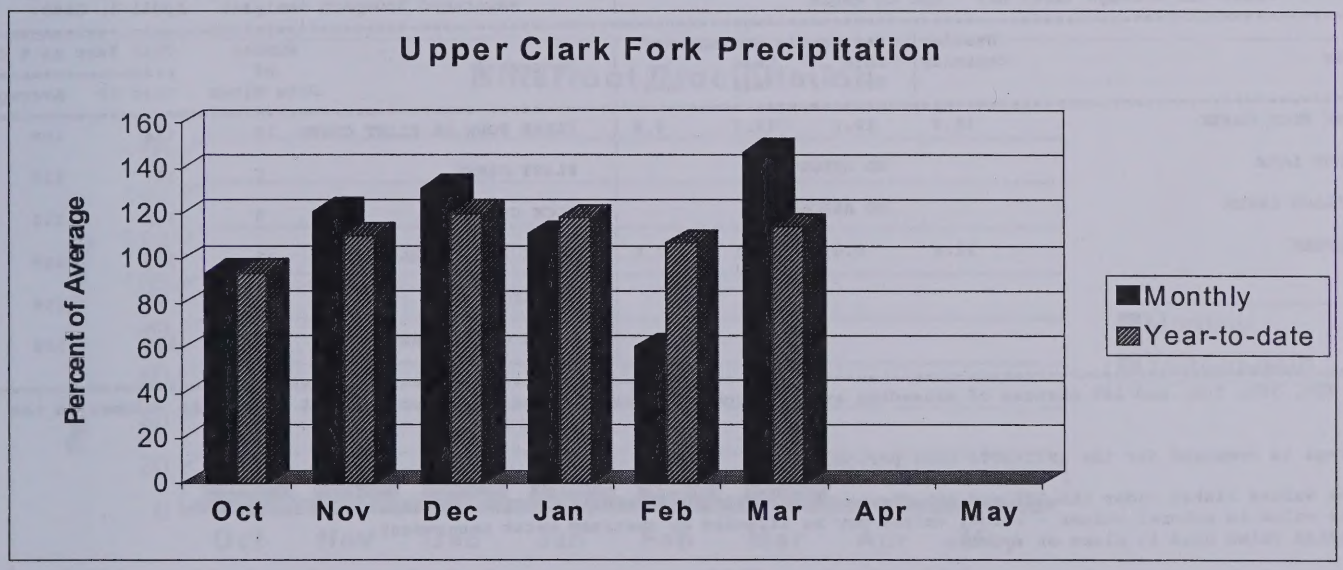
Upper Clark Fork River Basin

March accumulated snow water was 170 percent of average. Snowpack conditions in the Upper Clark Fork River Basin were slightly above average and increased 18 percent from March 1. Snow water content was 108 percent of average and 106 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum was in 1972 and minimum swe was in 1977; March maximum swe was in 1972 and minimum swe was in 2005; April maximum swe was in 1972 and minimum was in 2005; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum swe was in 1975 and minimum swe was in 1987. Average is for the period 1971 through 2000.

Mountain precipitation during March was 139 percent of average and 146 percent of last year. Valley precipitation during March was 216 percent of average and 325 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 114 percent of average and 115 percent of last year.



East Fork Rock Creek storage was 121 percent of average and 112 percent of last year; Georgetown Lake was not available; Lower Willow Creek was not available; and Nevada Creek storage was 130 percent of average and 194 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 102 to 114 percent.

Surface Water Supply Index (SWSI) was +1.3 in the Clark Fork River above Milltown; and +1.6 in the Blackfoot River.

UPPER CLARK FORK RIVER BASIN
Streamflow Forecasts - April 1, 2009

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
LITTLE BLACKFOOT nr Garrison	APR-JUL	59	76	87	115	98	115	76
	APR-SEP	67	85	97	116	109	127	84
FLINT CREEK nr Southern Cross	APR-JUL	12.0	15.0	17.0	124	19.0	22	13.7
	APR-SEP	11.9	16.7	20	124	23	28	16.2
FLINT CREEK blw Boulder Ck	APR-JUL	52	63	70	125	77	88	56
	APR-SEP	67	80	89	125	98	111	71
LOWER WILLOW CK RES Inflow	APR-MAY	6.6	8.5	9.8	120	11.1	13.0	8.2
	APR-JUL	9.3	12.7	15.0	120	17.3	21	12.5
MF ROCK CREEK nr Philipsburg	APR-JUL	48	59	67	105	75	86	64
	APR-SEP	56	68	76	106	84	96	72
ROCK CREEK nr Clinton	APR-JUL	250	275	295	109	315	340	270
	APR-SEP	280	310	330	108	350	380	305
CLARK FORK abv Milltown	APR-JUL	500	590	655	108	720	810	605
	APR-SEP	590	690	760	108	830	930	705
NEVADA CREEK nr Helmville	APR-MAY	8.0	10.0	11.3	110	12.6	14.6	10.3
	APR-JUL	13.4	16.7	19.0	110	21	25	17.3
BLACKFOOT RIVER nr Bonner	APR-JUL	770	840	885	110	930	1000	805
	APR-SEP	850	925	980	110	1030	1110	890
CLARK FORK abv Missoula	APR-JUL	1380	1480	1540	109	1600	1700	1410
	APR-SEP	1570	1680	1750	109	1820	1930	1600

UPPER CLARK FORK RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
EAST FORK ROCK CREEK	15.6	12.0	10.7	9.9
GEORGETOWN LAKE		NO REPORT		
LOWER WILLOW CREEK		NO REPORT		
NEVADA CREEK	12.6	9.9	5.1	7.6

UPPER CLARK FORK RIVER BASIN
Watershed Snowpack Analysis - April 1, 2009

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
CLARK FORK ab FLINT CREEK	15	116	109
FLINT CREEK	6	127	120
ROCK CREEK	5	110	110
CLARK FORK ab BLACKFOOT	23	113	109
BLACKFOOT	15	97	104
UPPER CLARK FORK BASIN	36	106	108

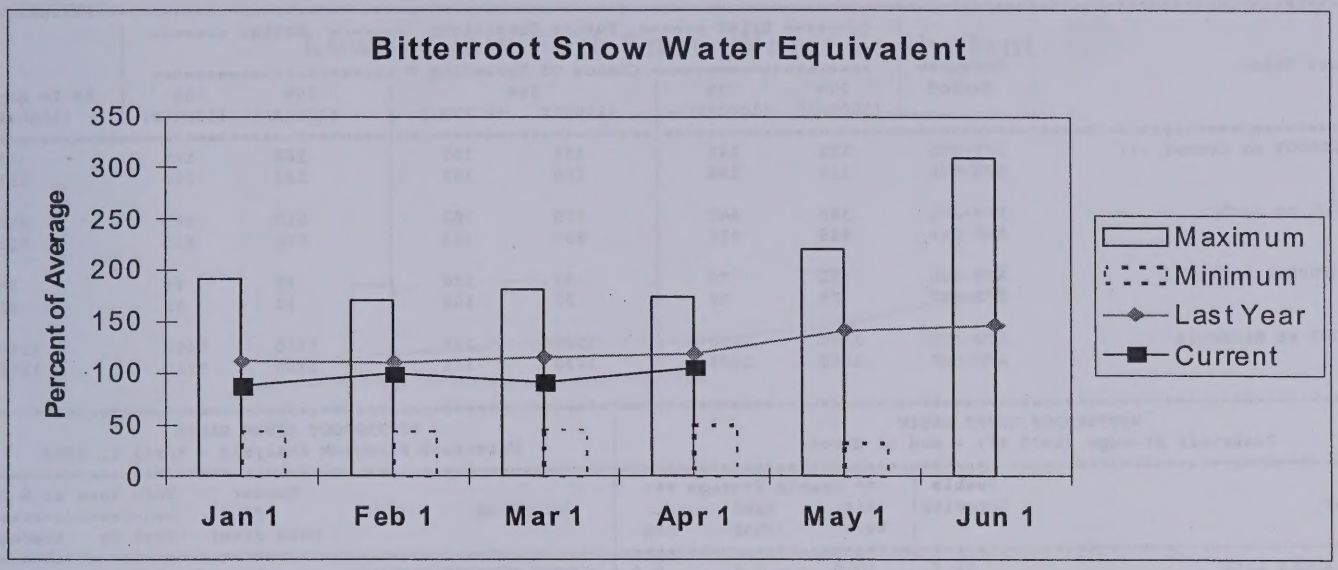
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

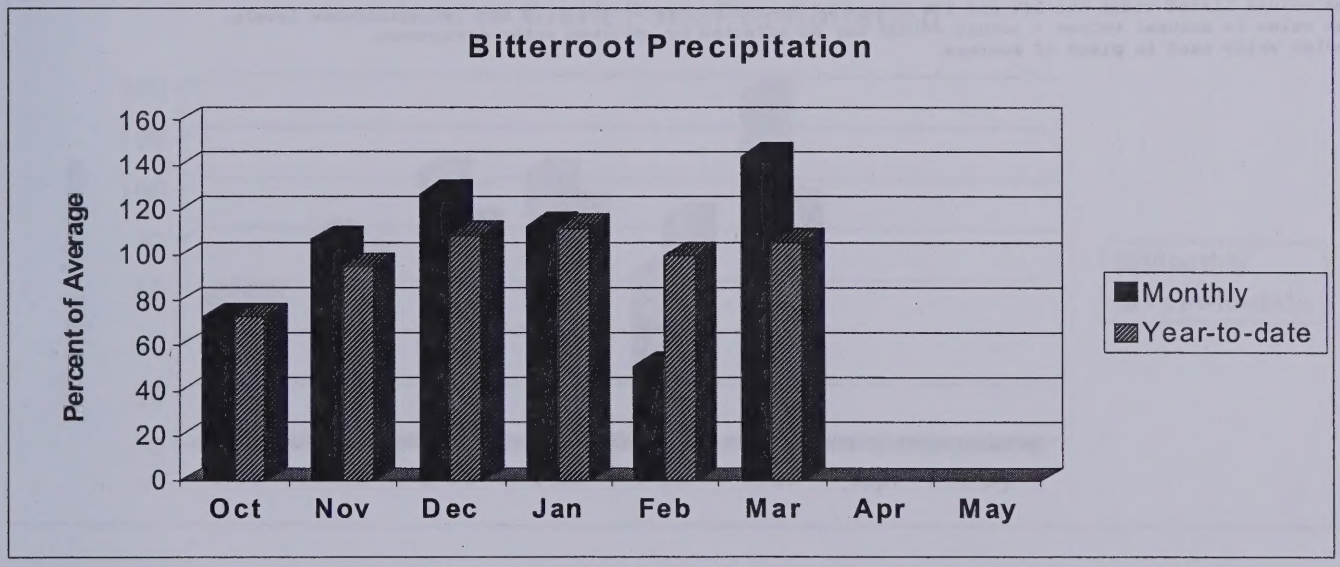
Bitterroot River Basin

March accumulated snow water was 191 percent of average. Snowpack conditions in the Bitterroot River Basin were slightly above average and increased 14 percent from March 1. Snow water content was 105 percent of average and 88 percent of last year.



January maximum swe was established in 1997 and minimum swe in 1977; February maximum swe was in 1972 and minimum was in 1977; March maximum swe was in 1972 and minimum swe was in 1977 and 2005; April maximum swe was in 1972 and minimum swe was in 2005; May maximum swe was in 1972 and minimum swe was in 1987; and June maximum swe was 1972 and 1974 and minimum swe was in 1987,1992, 1994, and 2001. Average is for the period 1971 through 2000.

Mountain precipitation during March was 144 percent of average and 134 percent of last year. Valley precipitation during March was 135 percent of average and 182 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 106 percent of average and 93 percent of last year.



Painted Rocks Lake storage was 104 percent of average and 108 percent of last year and Como storage was 107 percent of average and 107 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 99 to 105 percent.

Surface Water Supply Index (SWSI) was +1.4 in the Bitterroot River.

BITTERROOT RIVER BASIN
Streamflow Forecasts - April 1, 2009

Forecast Point	Forecast Period	<<= Drier = Future Conditions = Wetter =>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
WF BITTERROOT nr Conner (2)	APR-JUL	123	141	153	107	165	183	143
	APR-SEP	134	154	168	107	182	200	157
BITTERROOT nr Darby	APR-JUL	385	440	475	103	510	565	460
	APR-SEP	445	495	530	103	565	615	515
COMO RESERVOIR Inflow	APR-JUL	72	79	83	106	87	94	78
	APR-SEP	75	82	87	106	92	99	82
BITTERROOT at Missoula	APR-JUL	1160	1240	1300	104	1360	1440	1250
	APR-SEP	1260	1360	1420	104	1480	1580	1370

BITTERROOT RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
PAINTED ROCKS LAKE	31.7	10.0	9.3	9.6
COMO	34.9	16.0	15.0	14.9

BITTERROOT RIVER BASIN
Watershed Snowpack Analysis - April 1, 2009

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
WEST FORK BITTERROOT	3	97	107
EAST SIDE BITTERROOT	6	90	102
WEST SIDE BITTERROOT	3	82	107
BITTERROOT RIVER BASIN	11	88	105

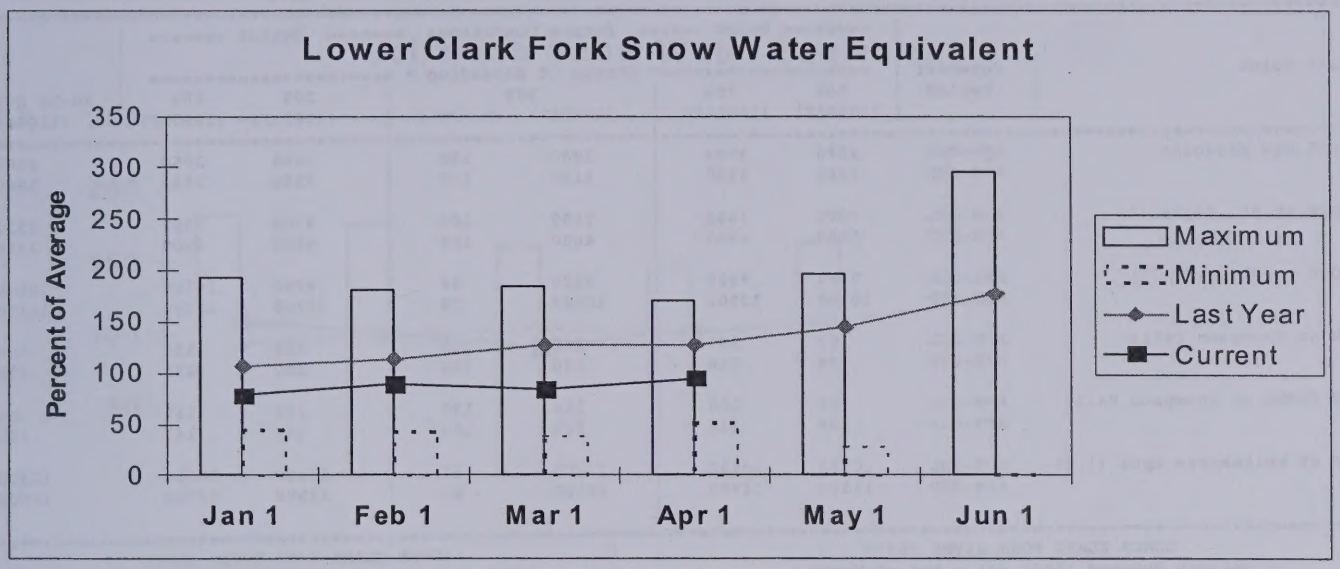
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

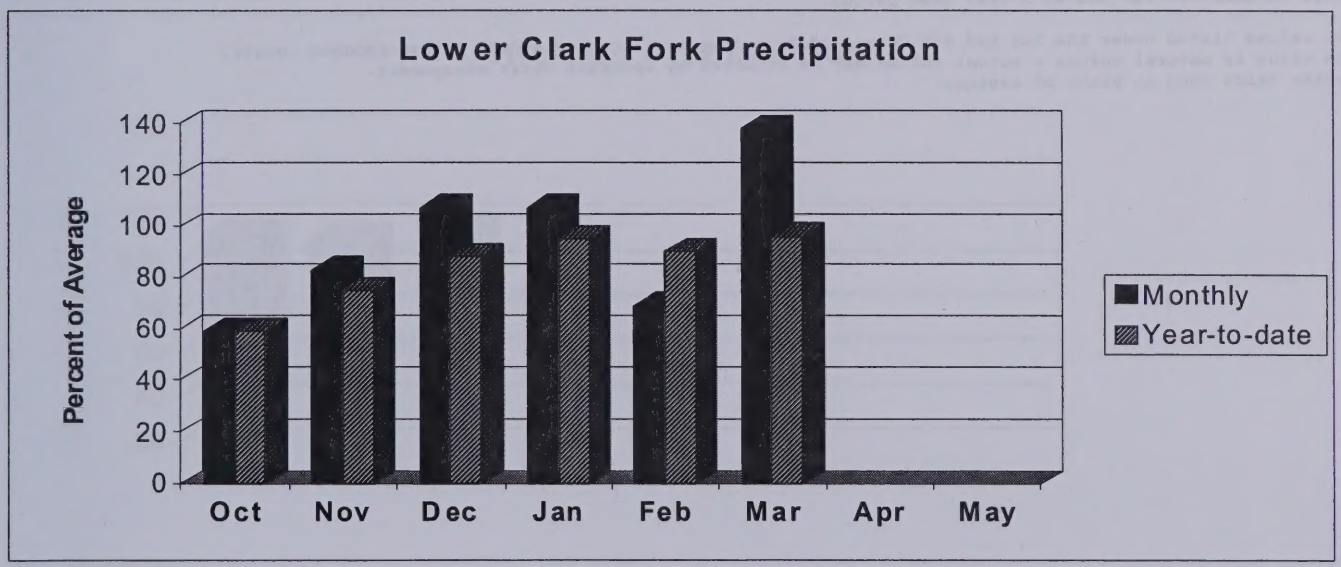
Lower Clark Fork River Basin

March accumulated snow water was 161 percent of average. Snowpack conditions in the Lower Clark Fork River Basin were slightly below average and increased 11 percent from March 1. Snow water content was 95 percent of average and 74 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1972 and minimum swe was in 1977; March maximum swe was in 1972 and minimum was in 2005; April maximum swe was in 1972 and minimum swe was in 2005; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum swe was in 1974 and minimum swe was in 1977. Average is for the period 1971 through 2000.

Mountain precipitation during March was 134 percent of average and 115 percent of last year. Valley precipitation during March was 160 percent of average and 169 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 96 percent of average and 84 percent of last year.



Noxon Rapids storage was 116 percent of average and 105 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 97 to 101 percent.

Surface Water Supply Index (SWSI) was +1.6 in the Clark Fork River below Bitterroot River and +0.1 in the Clark Fork River below Flathead River.

LOWER CLARK FORK RIVER BASIN
Streamflow Forecasts - April 1, 2009

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
CLARK FORK blw Missoula	APR-JUL	2670	2780	2860	108	2940	3050	2660
	APR-SEP	2980	3100	3180	107	3260	3380	2960
CLARK FORK at St. Regis (1)	APR-JUL	3500	3600	3650	104	3700	3800	3520
	APR-SEP	3900	4000	4050	104	4100	4200	3910
CLARK FORK nr Plains (1,2)	APR-JUL	9250	9520	9650	96	9780	10100	10100
	APR-SEP	10100	10500	10600	96	10700	11100	11100
THOMPSON nr Thompson Falls	APR-JUL	161	187	205	100	225	250	205
	APR-SEP	184	210	230	100	250	275	230
PROSPECT CREEK at Thompson Falls	APR-JUL	98	109	116	100	123	134	116
	APR-SEP	105	116	124	100	132	143	124
CLARK FK at Whitehorse Rpds (1,2)	APR-JUL	10500	10900	11000	97	11100	11500	11300
	APR-SEP	11500	11900	12100	97	12300	12700	12500

LOWER CLARK FORK RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
NOXON RAPIDS	335.0	316.5	300.7	272.9

LOWER CLARK FORK RIVER BASIN
Watershed Snowpack Analysis - April 1, 2009

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
LOWER CLARK FORK BASIN	13	74	95

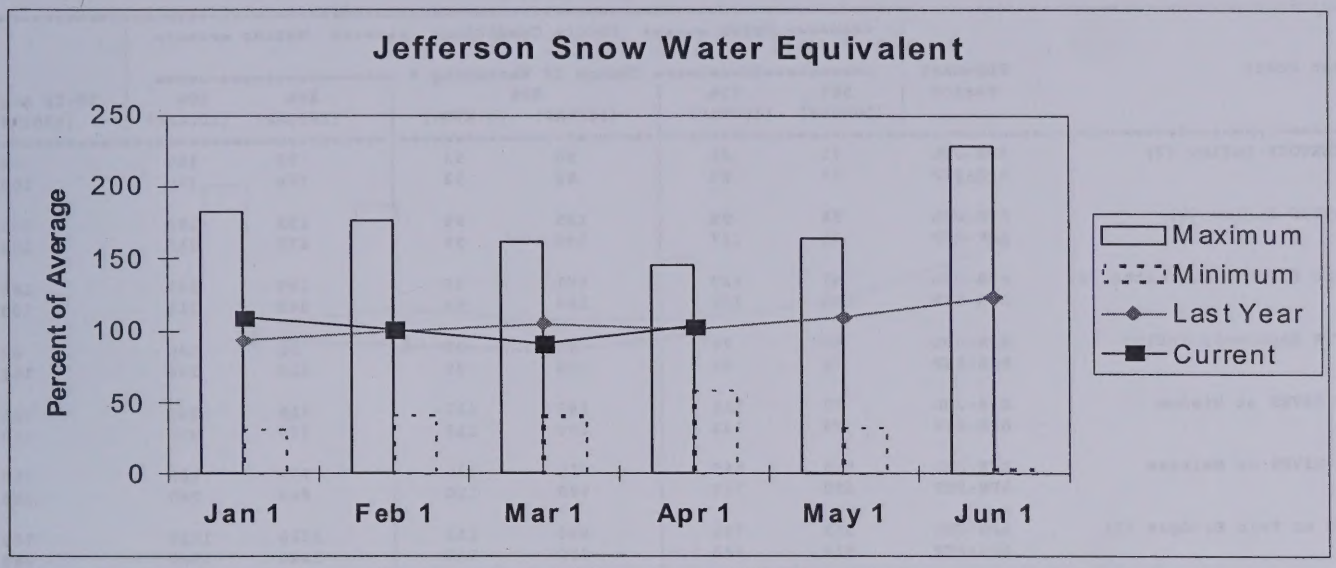
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

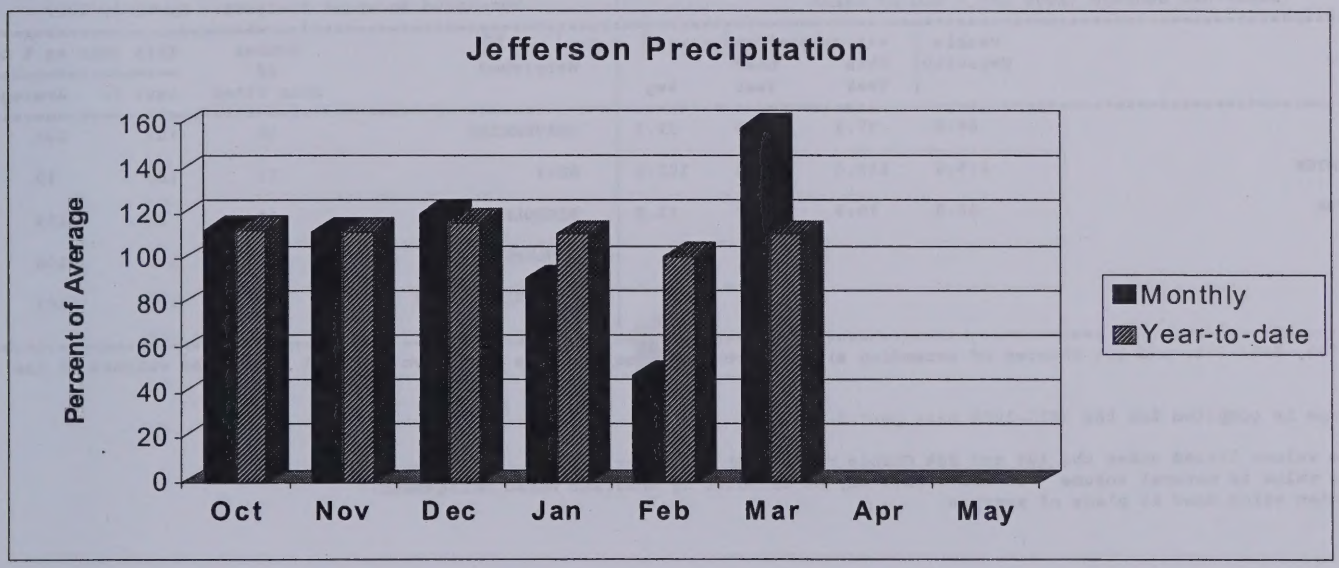
Jefferson River Basin

March accumulated snow water was 166 percent of average. Snowpack conditions in the Jefferson River Basin were near average and increased 12 percent from March 1. Snow water content was 103 percent of average and 102 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1972 and minimum was in 1977; April maximum swe was in 1997 and minimum was in 1977; May maximum swe was in 1975 and minimum swe was in 1977; and June maximum swe was in 1982 and minimum in 1987. Average is for the period 1971 through 2000.

Mountain precipitation during March was 152 percent of average and 169 percent of last year. Valley precipitation during March was 295 percent of average and 464 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 136 percent of average and 114 percent of last year.



Lima storage was 96 percent of average and 171 percent of last year; Clark Canyon storage was 84 percent of average and 112 percent of last year; and Ruby River storage was 98 percent of average and 97 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 89 to 105 percent.

Surface Water Supply Index (SWSI) was +0.2 in the Beaverhead River; +1.0 in the Ruby River; +1.3 in the Big Hole River; +1.7 in the Boulder River; and +1.8 in the Jefferson River near Three Forks.

JEFFERSON RIVER BASIN
Streamflow Forecasts - April 1, 2009

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter ======>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
LIMA RESERVOIR Inflow (2)	APR-JUL	71	81	88	92	95	105	96
	APR-SEP	76	88	96	92	104	116	104
CLARK CANYON Inflow (2)	APR-JUL	58	98	125	95	152	192	131
	APR-SEP	75	117	146	94	175	215	156
BEAVERHEAD RIVER at Barretts (2)	APR-JUL	57	120	162	96	205	265	168
	APR-SEP	65	139	189	95	240	315	200
RUBY RIVER Reservoir Inflow	APR-JUL	60	74	83	99	92	106	84
	APR-SEP	74	89	100	99	111	126	101
BIG HOLE RIVER at Wisdom	APR-JUL	77	116	142	117	168	205	121
	APR-SEP	79	121	150	115	179	220	130
BIG HOLE RIVER nr Melrose	APR-JUL	575	665	730	120	795	885	610
	APR-SEP	620	720	790	120	860	960	660
JEFFERSON nr Twin Bridges (2)	APR-JUL	555	750	885	113	1020	1210	785
	APR-SEP	615	840	990	113	1140	1360	880
BOULDER RIVER nr Boulder	APR-JUL	65	79	89	114	99	113	78
	APR-SEP	67	83	94	111	105	121	85
WILLOW CREEK Reservoir Inflow	APR-JUL	9.9	14.5	17.6	98	21	25	17.9
	APR-SEP	11.0	16.1	19.6	98	23	28	20
JEFFERSON RIVER nr Three Forks (2)	APR-JUL	565	765	905	116	1040	1250	780
	APR-SEP	620	845	1000	116	1150	1380	860

JEFFERSON RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
LIMA	84.0	37.4	21.9	39.1
CLARK CANYON	255.6	128.4	114.6	152.0
RUBY RIVER	38.8	30.9	31.7	31.5

JEFFERSON RIVER BASIN
Watershed Snowpack Analysis - April 1, 2009

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
BEAVERHEAD	18	102	105
RUBY	11	102	99
BIGHOLE	20	98	104
BOULDER	9	116	100
JEFFERSON RIVER BASIN	48	102	103

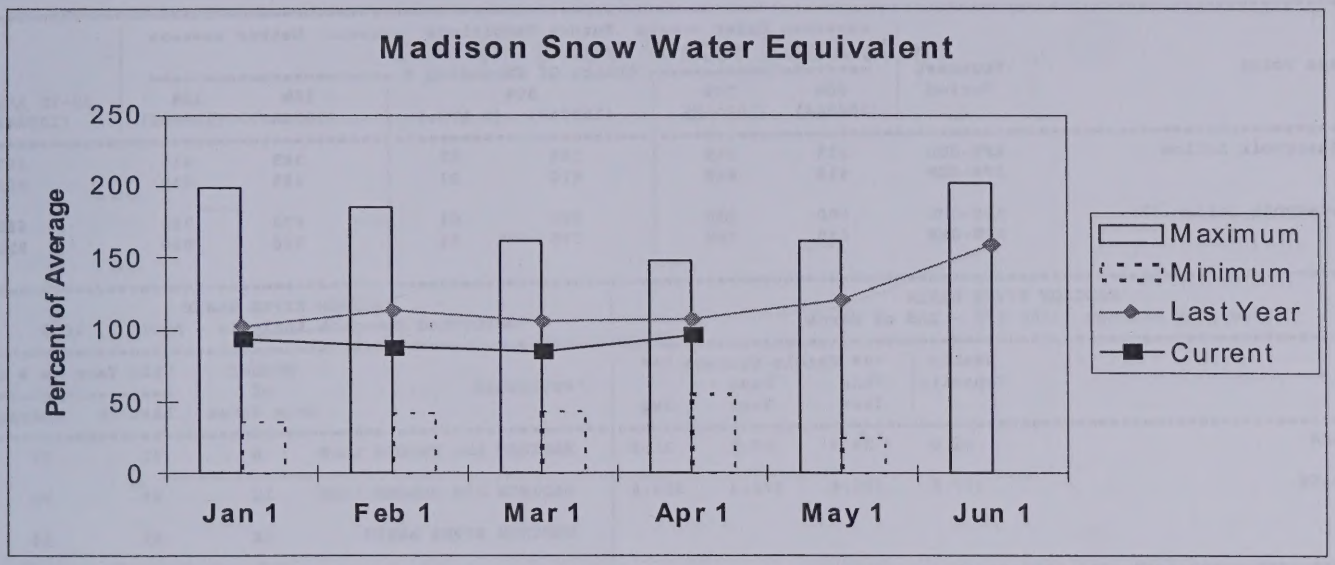
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

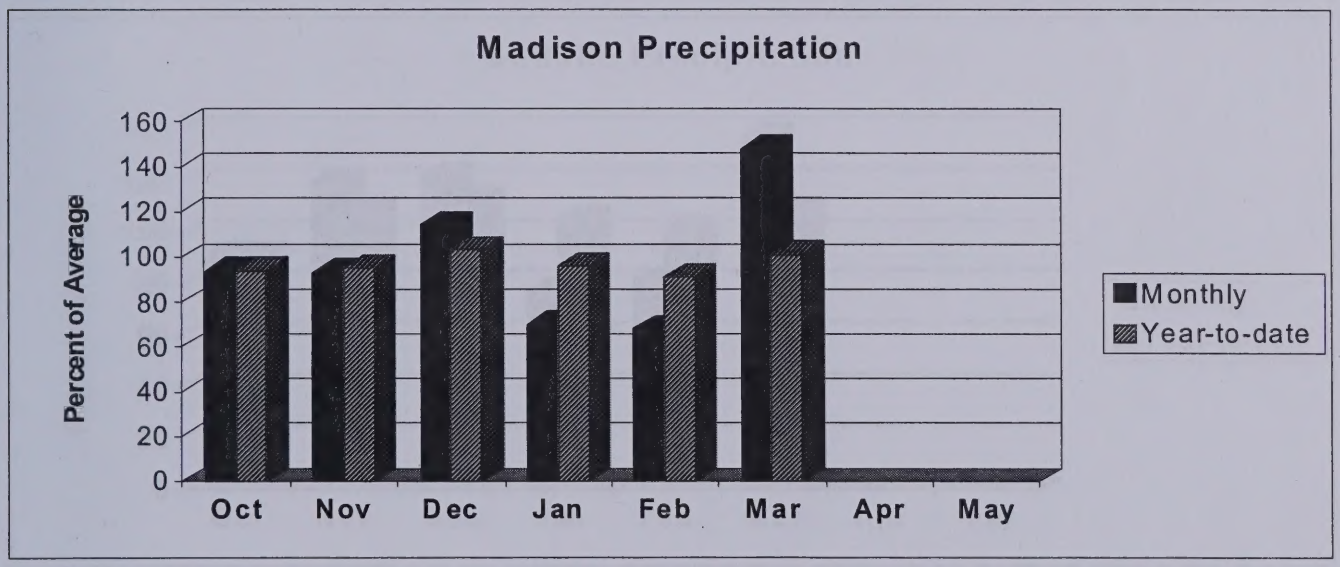
Madison River Basin

March accumulated snow water was 160 percent of average. Snowpack conditions in the Madison River Basin were near average and increased 11 percent from March 1. Snow water content was 96 percent of average and 89 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1977; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1997 and minimum was in 1977; April maximum swe was in 1997 and minimum was in 1977; May maximum swe was in 1997 and minimum swe was in 1977; and June maximum swe was in 1995 and minimum in 2001. Average is for the period 1971 through 2000.

Mountain and valley precipitation during March was 148 percent of average and 151 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 101 percent of average and 87 percent of last year.



Ennis Lake storage was 93 percent of average and 102 percent of last year and Hebgen Lake storage was 110 percent of average and 103 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 86 to 92 percent.

Surface Water Supply Index (SWSI) was +0.6 for the Madison River.

MADISON RIVER BASIN
Streamflow Forecasts - April 1, 2009

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
HEBGEN Reservoir Inflow	APR-JUL	315	345	365	92	385	415	395
	APR-SEP	410	445	470	93	495	530	505
ENNIS Reservoir Inflow (2)	APR-JUL	500	570	620	91	670	740	680
	APR-SEP	640	720	775	91	830	910	850

MADISON RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
ENNIS LAKE	41.0	28.9	28.2	31.2
HEBGEN LAKE	377.5	284.4	276.0	259.6

MADISON RIVER BASIN
Watershed Snowpack Analysis - April 1, 2009

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
MADISON abv HEBGEN LAKE	6	77	92
MADISON blw HEBGEN LAKE	12	98	99
MADISON RIVER BASIN	18	89	96

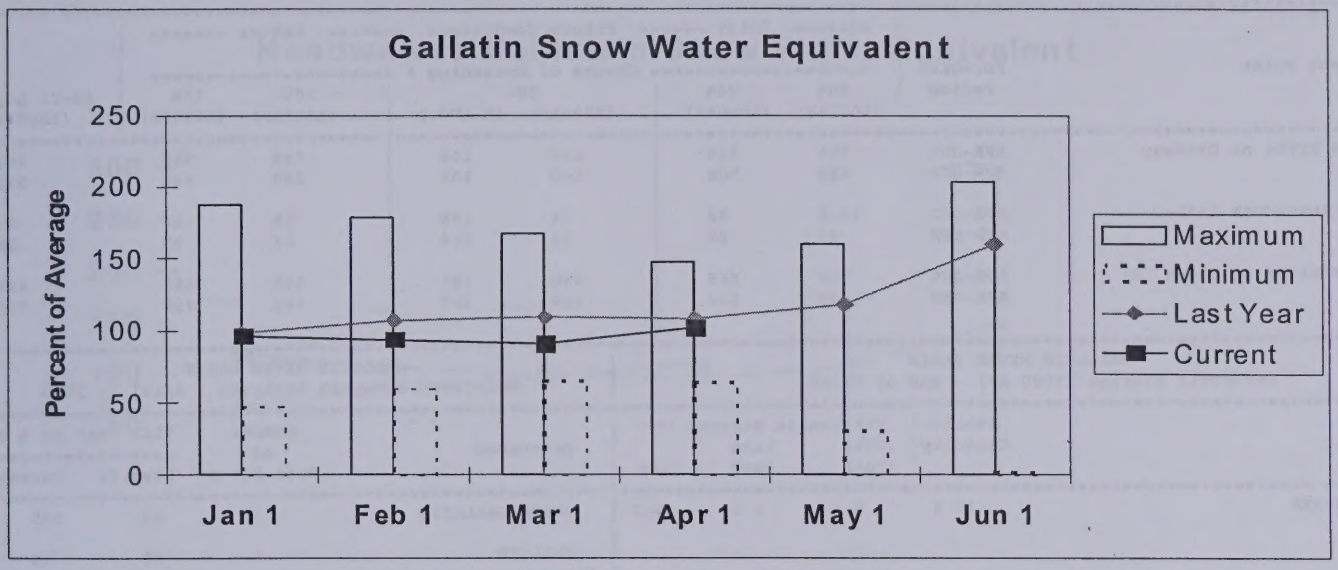
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

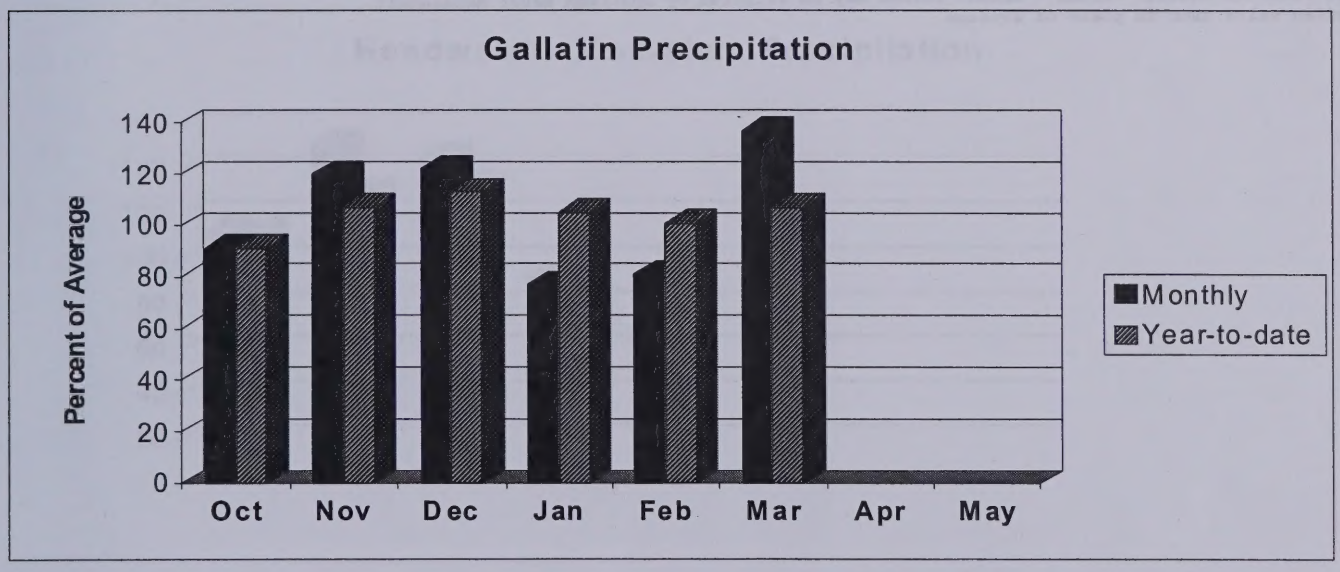
Gallatin River Basin

March accumulated snow water was 152 percent of average. Snowpack conditions in the Gallatin River Basin were near average and increased 11 percent from March 1. Snow water content was 102 percent of average and 94 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1966; February maximum swe was in 1997 and minimum was in 1977; March maximum swe was in 1997 and minimum was in 1977 and 2005; April maximum swe was in 1997 and minimum was in 2001; May maximum swe was in 1970 and minimum swe was in 1987; and June maximum swe was in 1975 and minimum in 2001. Average is for the period 1971 through 2000.

Mountain precipitation during March was 136 percent of average and 144 percent of last year. Valley precipitation during March was 162 percent of average and 324 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 107 percent of average and 96 percent of last year.



Middle Creek storage was 138 percent of average and 105 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 97 to 106 percent.

Surface Water Supply Index (SWSI) was +1.2 for the Gallatin River.

GALLATIN RIVER BASIN
Streamflow Forecasts - April 1, 2009

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
GALLATIN RIVER nr Gateway	APR-JUL	375	430	465	106	500	555	440
	APR-SEP	435	500	540	105	580	645	515
HYALITE RESERVOIR Inflow	APR-JUL	19.6	22	23	105	24	26	22
	APR-SEP	23	25	26	104	27	29	25
GALLATIN RIVER at Logan (2)	APR-JUL	370	465	530	107	595	690	495
	APR-SEP	425	535	610	107	685	795	570

GALLATIN RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
MIDDLE CREEK	10.2	6.5	6.2	4.7

GALLATIN RIVER BASIN
Watershed Snowpack Analysis - April 1, 2009

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
UPPER GALLATIN	7	94	105
HYALITE	4	93	96
BRIDGER	2	98	99
GALLATIN RIVER BASIN	13	94	102

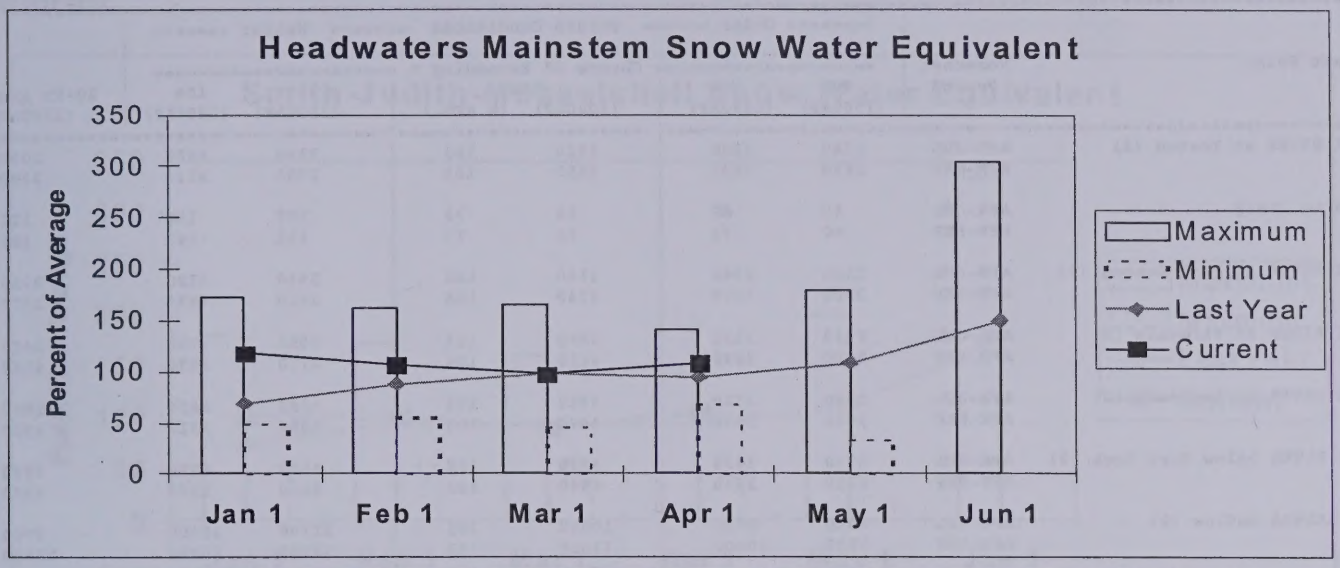
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

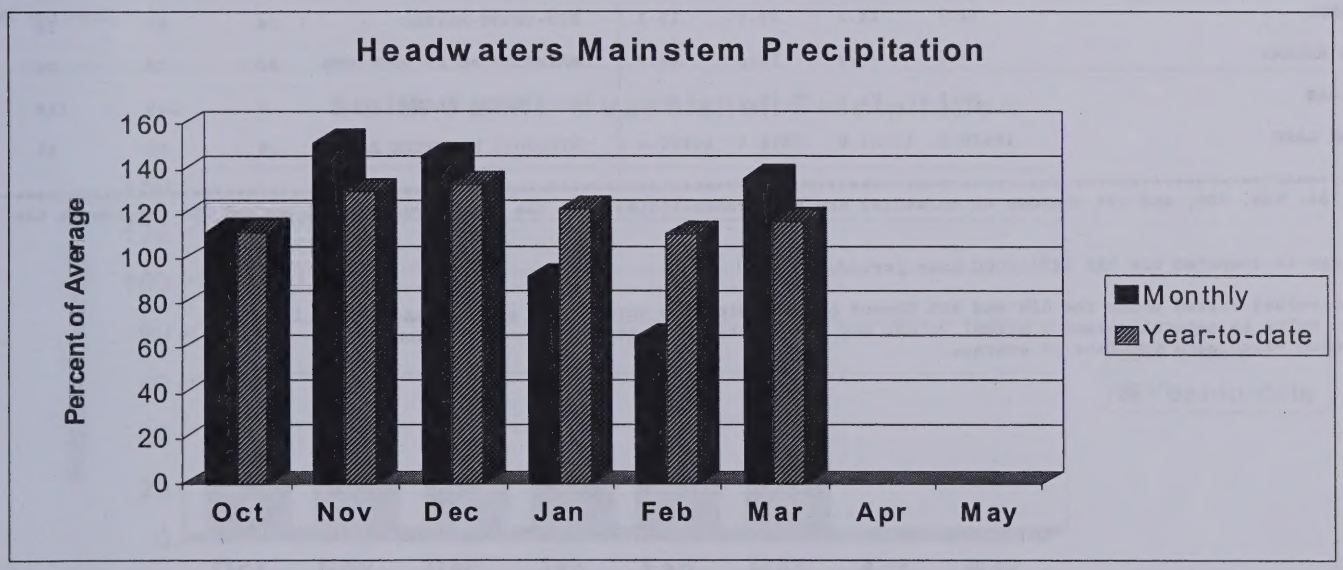
Missouri Mainstem River Basin

Headwaters Missouri Mainstem accumulated March snow water was 185 percent of average. Snowpack conditions in the Headwaters Missouri Mainstem River Basin were slightly above average and increased 11 percent from March 1. Snow water content was 108 percent of average and 114 percent of last year.



January maximum swe was established in 1997 and minimum swe in 1977; February maximum swe was in 1972 and minimum swe was in 1977; March maximum swe in 1972 and minimum swe was in 1977; April maximum swe was in 1972 and minimum swe was in 1961,1966, and 2005; May maximum swe was in 1975 and minimum swe was in 1977; and June maximum swe was in 1975 and minimum swe was in 1992. Average is for the period 1971 through 2000.

Mountain precipitation during March was 155 percent of average and 196 percent of last year. Valley precipitation during March was 105 percent of average and 228 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 117 percent of average and 132 percent of last year.



Canyon Ferry Lake storage was 103 percent of average and 107 percent of last year; Helena Valley storage was 118 percent of average and 100 percent of last year; Lake Helena storage was 85 percent of average and 102 percent of last year; Hauser & Helena storage was 119 percent of average and 101 percent of last year; Holter Lake storage was 109 percent of average and 100 percent of last year; and Fort Peck Lake storage was 73 percent of average and 123 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 86 to 99 percent.

Surface Water Supply Index (SWSI) was +0.5 in the Missouri River above Canyon Ferry; 0.0 in the Missouri River below Canyon Ferry; not available in the Missouri River above Fort Peck; and -1.9 in the Missouri River below Fort Peck.

MISSOURI MAINSTEM RIVER BASIN
Streamflow Forecasts - April 1, 2009

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter ======>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
MISSOURI RIVER at Toston (2)	APR-JUL	1540	1880	2110	103	2340	2680	2050
	APR-SEP	1670	2170	2450	103	2730	3230	2390
DEARBORN nr Craig	APR-JUL	40	69	88	73	107	136	121
	APR-SEP	40	71	91	73	111	142	125
MISSOURI RIVER at Fort Benton (2)	APR-JUL	2160	2740	3140	105	3540	4120	2990
	APR-SEP	2560	3270	3740	105	4210	4920	3570
MISSOURI RIVER at Virgelle (2)	APR-JUL	2460	3130	3590	104	4050	4720	3450
	APR-SEP	2890	3690	4230	104	4770	5570	4060
MISSOURI RIVER nr Landusky (2)	APR-JUL	2590	3310	3800	103	4290	5010	3690
	APR-SEP	3030	3890	4470	103	5050	5910	4350
MISSOURI RIVER below Fort Peck (2)	APR-JUL	2710	3430	3930	105	4430	5150	3740
	APR-SEP	3110	3970	4540	105	5110	5970	4330
LAKE SAKAKAWEA Inflow (2)	APR-JUL	6810	8710	10000	103	11300	13200	9740
	APR-SEP	7750	10000	11500	103	13000	15200	11200

MISSOURI MAINSTEM RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
CANYON FERRY LAKE	2043.0	1519.0	1415.0	1467.8
HELENA VALLEY	9.2	4.6	4.6	3.9
LAKE HELENA	12.7	11.1	10.9	13.1
HAUSER & HELENA	74.6	74.8	73.8	62.8
HOLTER LAKE	81.9	81.0	81.2	74.1
FORT PECK LAKE	18910.0	10913.0	8872.0	14966.0

MISSOURI MAINSTEM RIVER BASIN
Watershed Snowpack Analysis - April 1, 2009

Watershed	Number of Data Sites	This Year as % of Last Yr	This Year as % of Average
HEADWATERS MAINSTEM	9	114	108
SMITH-JUDITH-MUSSELSHELL	14	105	98
SUN-TETON-MARIAS	14	87	92
MAINSTEM ab FT PECK RES	36	98	96
MILK RIVER BASIN	3	108	118
MISSOURI MAINSTEM BASIN	38	99	97

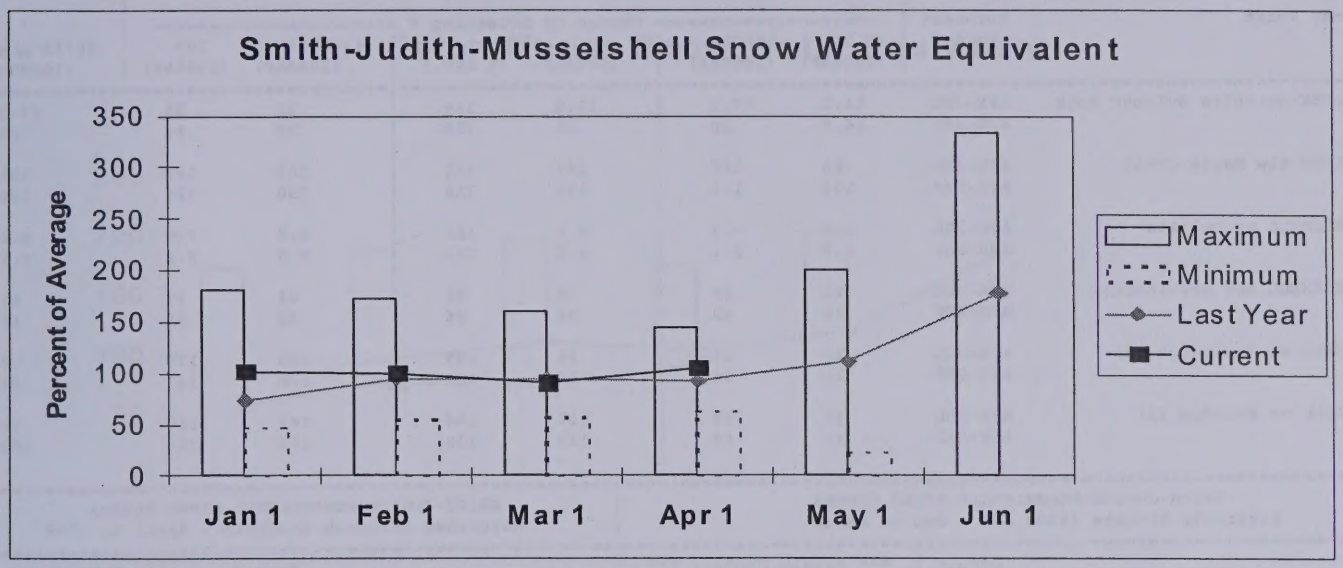
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

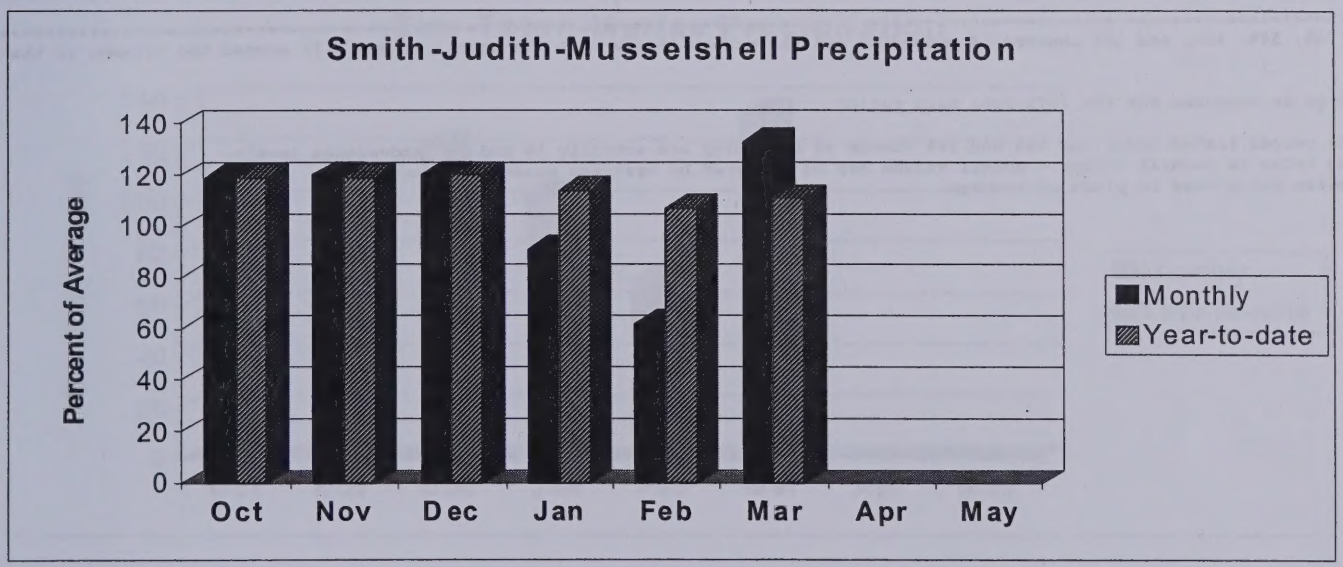
Smith-Judith-Musselshell River Basins

March accumulated snow water was 172 percent of average. Snowpack conditions in the Smith-Judith-Musselshell River Basins were near average and increased 14 percent from March 1. Snow water content was 105 percent of average and 114 percent of last year. Snow water content in the Smith River Basin was 103 percent of average and 115 percent of last year; the Judith River Basin was 98 percent of average and 116 percent of last year; and the Musselshell Basin River was 117 percent of average and 141 percent of last year.



January maximum swe was established in 1997 and minimum swe in 1988; February maximum swe was in 1978 and minimum swe was in 1987; March maximum swe was in 1978 and minimum swe was in 1987 and 2005; April maximum swe was in 1970 and minimum swe was in 1992; and May maximum swe was in 1970 and minimum swe was in 1987; and June maximum swe was in 1967 and minimum swe was in 1987, 1992, 1994, and 2001. Average is for the period 1971 through 2000.

Mountain and valley precipitation during March in the Smith-Belts was 161 percent of average and 185 percent of last year; in the Judith was 105 percent of average and 140 percent of last year; and in the Musselshell was 139 percent of average and 457 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 111 percent of average and 116 percent of last year.



Smith River storage was 111 percent of average and 155 percent of last year; Ackley storage was 47 percent of average and 68 percent of last year; Bair storage was 62 percent of average and 165 percent of last year; Martinsdale storage was 81 percent of average and 1257 percent of last year; and Deadman's Basin was 92 percent of average and 175 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 86 to 108 percent.

Surface Water Supply Index (SWSI) was +0.6 in the Smith River, +0.3 in the Upper Judith River, and +1.2 in the Musselshell River.

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Streamflow Forecasts - April 1, 2009

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter ======>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
SHEEP CREEK nr White Sulphur Spgs.	APR-JUL	14.1	17.3	19.5	114	22	25	17.1
	APR-SEP	16.4	20	23	115	26	30	20
SMITH RIVER blw Eagle Creek	APR-JUL	95	126	147	111	168	199	133
	APR-SEP	101	138	164	110	190	225	149
NF MUSSELSHELL nr Delpine	APR-JUL	3.2	4.3	5.1	111	5.9	7.0	4.6
	APR-SEP	3.8	5.1	6.0	111	6.9	8.2	5.4
SF MUSSELSHELL abv Martinsdale	APR-JUL	23	39	50	96	61	77	52
	APR-SEP	24	42	54	96	66	84	56
MUSSELSHELL at Harlowton (2)	APR-JUL	33	64	84	109	104	135	77
	APR-SEP	31	64	86	106	108	141	81
MUSSELSHELL nr Roundup (2)	APR-JUL	43	65	107	108	149	210	99
	APR-SEP	44	68	110	108	152	215	102

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
SMITH RIVER	10.6	8.2	5.3	7.4
ACKLEY LAKE	7.0	1.5	2.2	3.2
BAIR	7.0	2.8	1.7	4.5
MARTINSDALE	23.1	8.8	0.7	10.9
DEADMAN'S BASIN	72.2	50.1	28.7	54.2

SMITH-JUDITH-MUSSELSHELL RIVER BASINS
Watershed Snowpack Analysis - April 1, 2009

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
SMITH	9	115	103
HIGHWOOD	0	38	0
JUDITH	7	109	92
MUSSELSHELL	4	122	95
SMITH-JUDITH-MUSSELSHELL	14	105	98

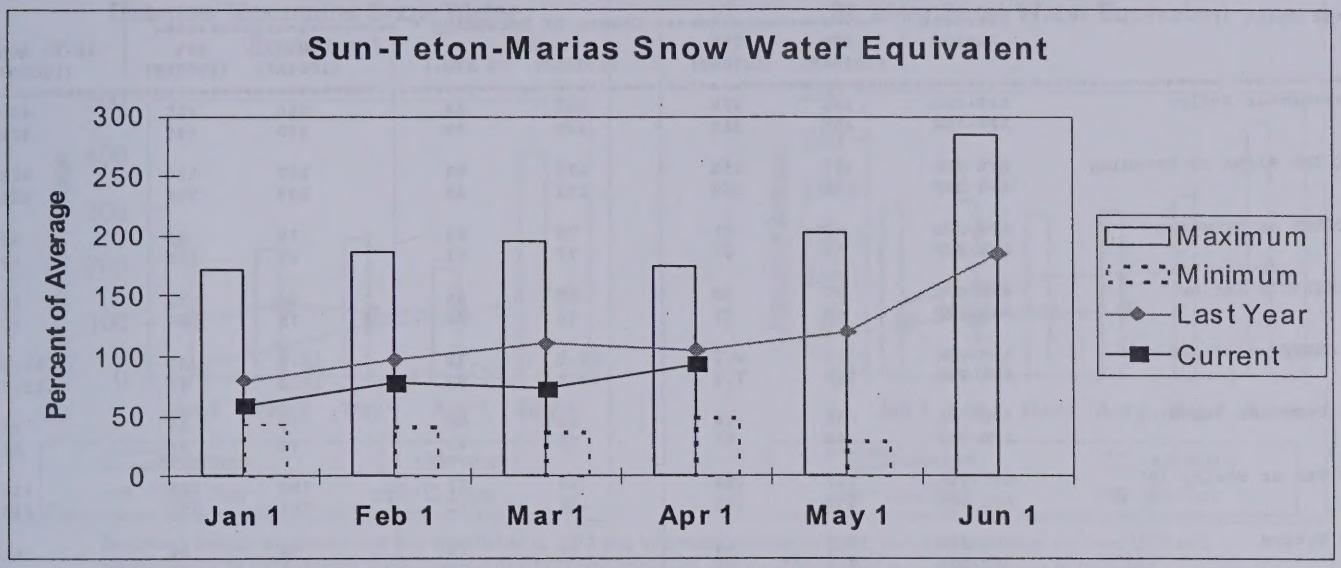
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

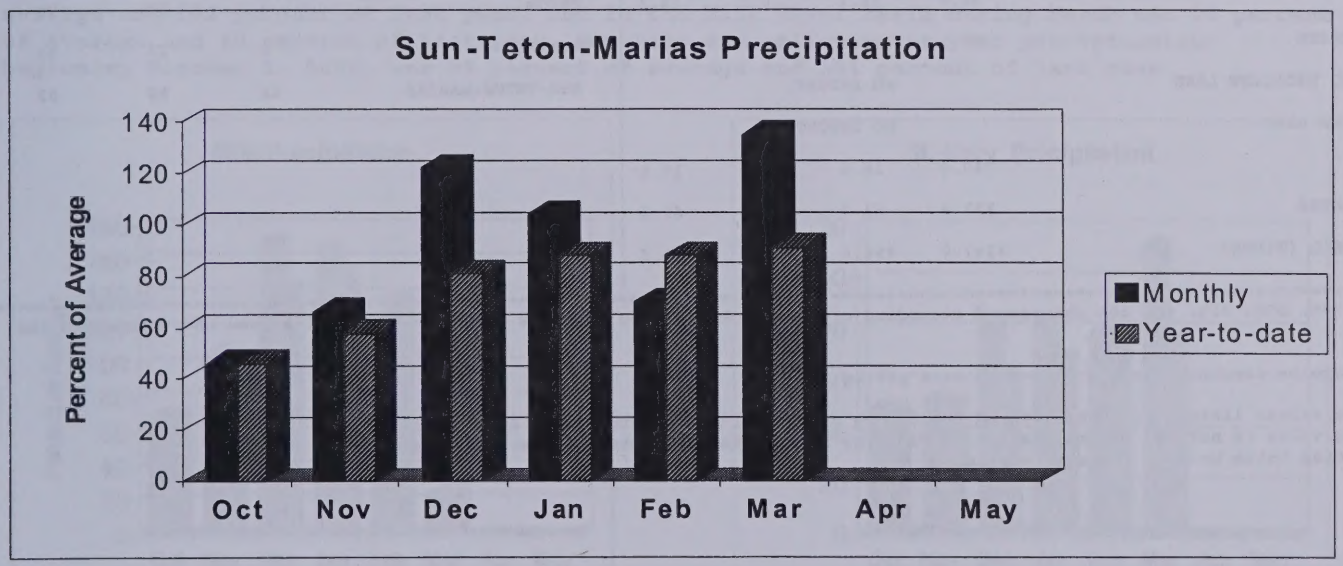
Sun-Teton-Marias River Basins

March accumulated snow water was 180 percent of average. Snowpack conditions in the Sun-Teton-Marias River Basins were slightly below average and increased 20 percent from March 1. Snow water content was 93 percent of average and 88 percent of last year. Snow water content in the Sun River Basin was 92 percent of average and 87 percent of last year; the Teton River Basin was 90 percent of average and 87 percent of last year; and the Marias River Basin was 91 percent of average and 87 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1972 and minimum swe was in 2001; March maximum swe was in 1972 and minimum swe was in 2005; April maximum swe was in 1972 and minimum swe was in 2005; May maximum swe was in 1972 and minimum swe was in 1977; and June maximum was in 1972 and minimum swe was in 1987, 1992, and 1998. Average is for the period 1971 through 2000.

Mountain and valley precipitation during March in the Sun was 138 percent of average and 225 percent of last year; in the Teton was 146 percent of average and 247 percent of last year; and in the Marias was 131 percent of average and 171 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 91 percent of average and 87 percent of last year.



Gibson storage was 74 percent of average and 149 percent of last year; Pishkun storage was 104 percent of average; Willow Creek storage was 120 percent of average and 119 percent of last year; Lower Two Medicine Lake storage was not available; Four Horns Lake storage was not available; Swift storage was 95 percent of average and 104 percent of last year; Lake Frances storage was 89 percent of average and 604 percent of last year; and Lake Elwell (Tiber) storage was 108 percent of average and 112 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 66 to 82 percent.

Surface Water Supply Index (SWSI) was -0.1 in the Sun River; +0.4 in the Teton River; -1.2 in the Birch/Dupuyer Creeks; not available in the Marias above Tiber Reservoir; and not available in the Marias below Tiber Reservoir.

SUN-TETON-MARIAS RIVER BASINS
Streamflow Forecasts - April 1, 2009

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter ======>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
GIBSON Reservoir Inflow	APR-JUL	325	370	405	88	440	485	460
	APR-SEP	355	410	445	88	480	535	505
TWO MEDICINE RIVER nr Browning	APR-JUL	132	155	171	83	187	210	205
	APR-SEP	141	166	182	85	198	225	215
BADGER CREEK nr Browning	APR-JUL	48	61	70	81	79	92	86
	APR-SEP	52	67	77	81	87	102	95
SWIFT RESERVOIR Inflow	APR-JUL	37	48	55	86	62	73	64
	APR-SEP	45	57	66	86	75	87	77
DUPUYER CREEK nr Valier	APR-JUL	4.4	6.2	11.0	79	15.8	23	14.0
	APR-SEP	5.0	7.2	12.5	80	17.8	26	15.7
CUT BANK CREEK nr Browning	APR-JUL	46	58	66	86	74	86	77
	APR-SEP	49	62	71	85	80	93	84
MARIAS RIVER nr Shelby (2)	APR-JUL	156	255	320	77	385	485	415
	APR-SEP	150	255	330	75	405	510	440
TETON nr Dutton	APR-JUL	16.0	22	40	78	58	84	51
	APR-SEP	18.4	27	46	78	65	93	59

SUN-TETON-MARIAS RIVER BASINS
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
GIBSON	99.1	39.7	26.7	53.6
PISHKUN	32.0	19.1	0.0	18.3
WILLOW CREEK	32.2	28.6	24.1	23.8
LOWER TWO MEDICINE LAKE		NO REPORT		
FOUR HORNS LAKE		NO REPORT		
SWIFT	30.0	16.6	16.0	17.4
LAKE FRANCES	112.0	61.6	10.2	69.1
LAKE ELWELL (TIBER)	1347.0	696.6	622.5	645.6

SUN-TETON-MARIAS RIVER BASINS
Watershed Snowpack Analysis - April 1, 2009

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
SUN	7	87	92
TETON	4	87	90
MARIAS	6	87	91
SUN-TETON-MARIAS	15	88	93

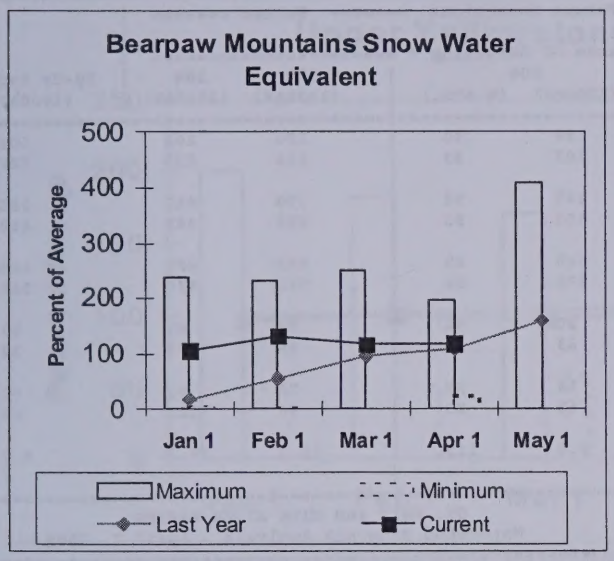
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

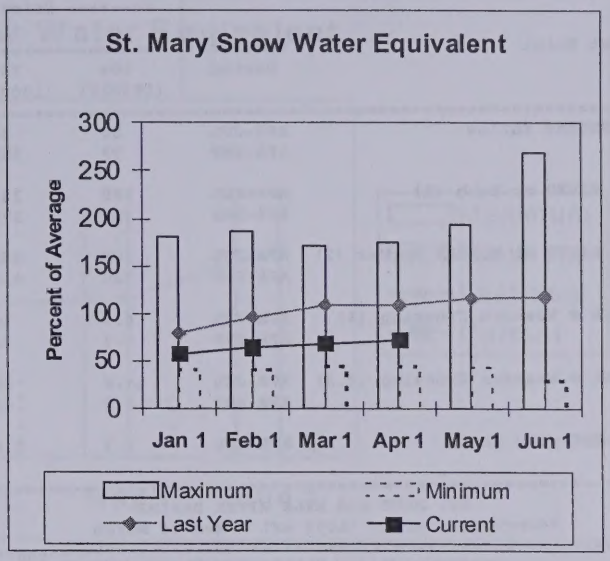
The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

St. Mary and Milk River Basins

St. Mary accumulated March snow water was 174 percent of average. Snowpack in the Saint Mary River Basin was below average and increased 4 percent from March 1. Snow water content was 73 percent of average and 67 percent of last year. The Milk River Basin (Bearpaw Mountains) was above average and increased 1 percent from March 1. Snow water content was 118 percent of average and 108 percent of last year.

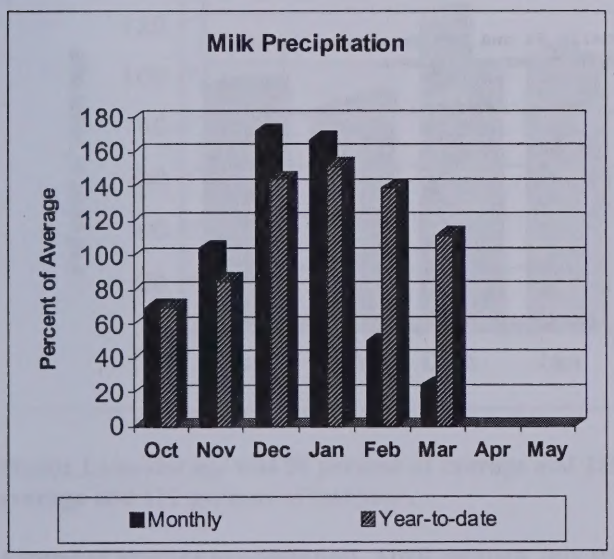


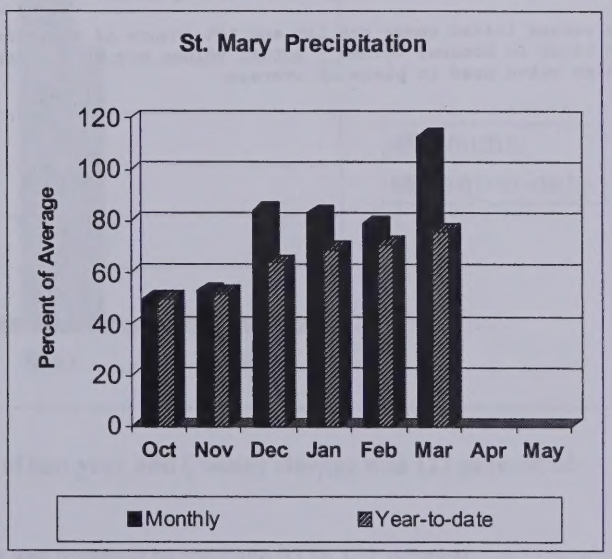


Bearpaw - January maximum swe was established in 1978 and minimum swe was in 1981; February maximum swe was 1978 and minimum was in 1973; March maximum swe was 1978 and minimum swe was 2005; April maximum swe was in 1985 and minimum swe was in 1973, 1983, and 1986; May maximum swe was 1975 and the minimum, 0.0, has occurred in several years. Average is for the period 1971 through 2000.

St. Mary - January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1972 and minimum swe was in 2001; March maximum swe was in 1972 and minimum swe was in 2005; April maximum swe was in 1972 and minimum swe was in 2005; May maximum swe was in 19972 and minimum swe was in 1977; and June maximum swe was in 1972 and minimum swe was 1992. Average is for the period 1971 through 2000.

Mountain and valley precipitation in the St. Mary River Basin during March was 113 percent of average and 132 percent of last year; and in the Milk River Basin during March was 24 percent of average and 50 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 91 percent of average and 101 percent of last year.





Assuming average precipitation, April through July streamflows in the St. Mary are forecast to average 83 to 91 percent and in the Milk 78 to 99 percent.

Lake Sherburne storage was 170 percent of average and 193 percent of last year; Fresno storage was 78 percent of average and 192 percent of last year; Beaver Creek storage was not available; and Nelson storage was 121 percent of average and 141 percent of last year.

Surface Water Supply Index (SWSI) was +0.1 for the St. Mary and +0.3 for the Milk River.

ST. MARY and MILK RIVER BASINS
Streamflow Forecasts - April 1, 2009

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
LAKE SHERBURNE Inflow	APR-JUL	80	88	94	90	100	108	105
	APR-SEP	93	102	109	89	116	125	122
ST. MARY RIVER nr Babb (2)	APR-JUL	280	320	345	90	370	410	385
	APR-SEP	330	375	405	90	435	480	450
ST. MARY RIVER at US/CAN Border (2)	APR-JUL	305	360	400	92	440	495	435
	APR-SEP	370	430	470	91	510	570	515
MILK RIVER @ Western Crossing (3)	APR-JUL	8.9	26	30	91	34	47	33
	APR-SEP	9.7	28	33	92	38	53	36
MILK RIVER @ Eastern Crossing (2,3)	APR-JUL	14.6	39	56	92	73	91	61
	APR-SEP	16.2	44	62	90	80	101	69
BEAVER CREEK near Havre	APR-JUL	5.3	8.0	9.8	113	11.6	14.3	8.7

ST. MARY and MILK RIVER BASINS
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
LAKE SHERBURNE	64.3	43.7	22.7	25.7
FRESNO	127.0	58.6	30.5	75.0
BEAVER CREEK		NO REPORT		
NELSON	66.8	43.0	30.6	35.6

ST. MARY and MILK RIVER BASINS
Watershed Snowpack Analysis - April 1, 2009

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
ST. MARY	3	67	73
BEARPAW MOUNTAINS	3	108	118
CYPRESS HILLS, CANADA	0	0	0
MILK RIVER BASIN	3	108	118
ST. MARY & MILK BASINS	6	74	80

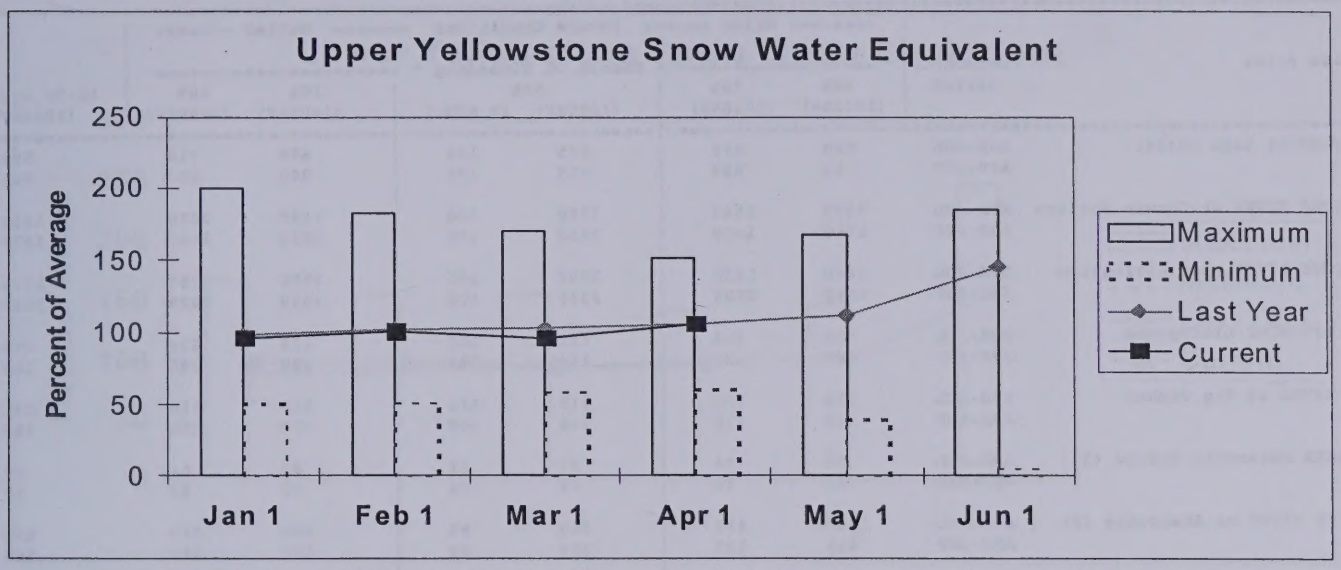
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

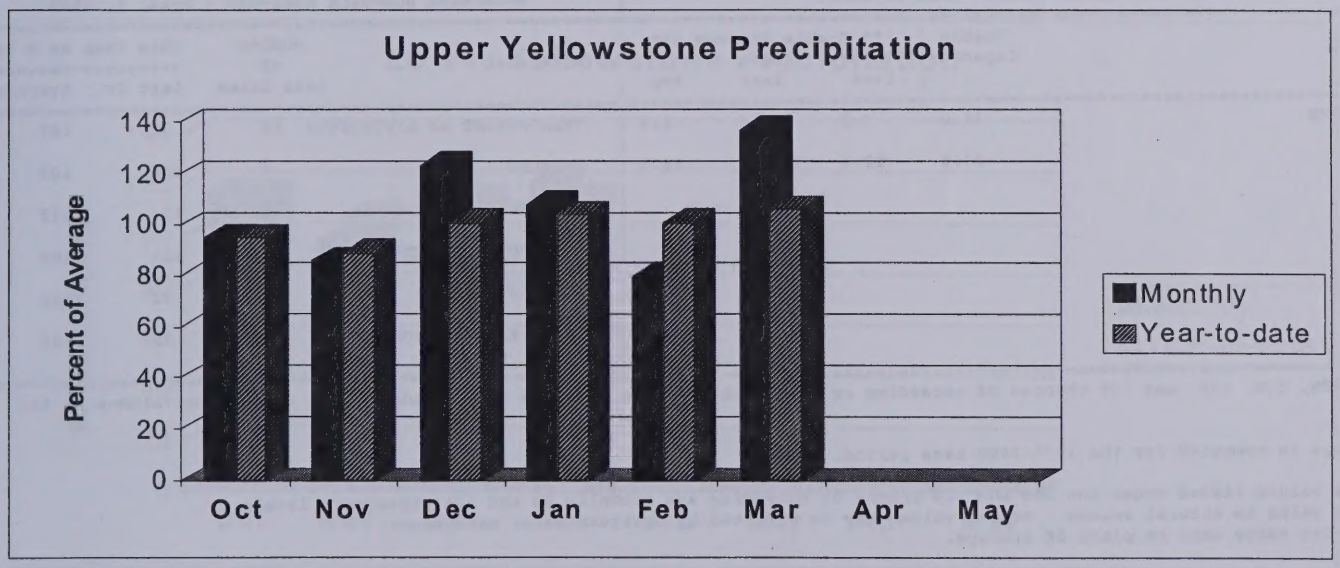
Upper Yellowstone River Basin

March accumulated snow water was 150 percent of average. Snowpack conditions in the Upper Yellowstone River Basin were slightly above average and increased 10 percent from March 1. Snow water content was 106 percent of average and 100 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 1988; February maximum swe was in 1997 and minimum swe was in 2001; March maximum swe was in 1997 and minimum swe was in 2001; April maximum swe was in 1971 and minimum swe was in 2001; May maximum swe was in 1997 and minimum swe was in 1987; and June maximum swe was 1996 and minimum swe was in 2001. Average is for the period 1971 through 2000.

Mountain precipitation during March was 137 percent of average and 112 percent of last year. Valley precipitation during March was 141 percent of average and 391 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 106 percent of average and 95 percent of last year.



Mystic Lake storage was 50 percent of average and 225 percent of last year and Cooney storage was 122 percent of average and 122 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 93 to 101 percent.

Surface Water Supply Index (SWSI) was +1.4 in the Yellowstone River above Livingston; +1.8 in the Shields River; +2.2 in the Boulder River; +0.4 in the Stillwater River; 0.0 in the Rock/Red lodge Creeks; +1.4 in the Clarks Fork River; and +1.2 in the Yellowstone River above Bighorn River.

UPPER YELLOWSTONE RIVER BASIN
Streamflow Forecasts - April 1, 2009

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
YELLOWSTONE at Lake Outlet	APR-JUL	520	575	615	104	655	710	590
	APR-SEP	710	785	835	104	885	960	805
YELLOWSTONE RIVER at Corwin Springs	APR-JUL	1470	1640	1750	106	1860	2030	1650
	APR-SEP	1740	1950	2090	106	2230	2440	1970
YELLOWSTONE RIVER near Livingston	APR-JUL	1640	1850	2000	105	2150	2360	1900
	APR-SEP	1960	2220	2390	105	2560	2820	2280
SHIELDS RIVER nr Livingston	APR-JUL	84	124	151	104	178	220	145
	APR-SEP	88	133	164	101	195	240	162
BOULDER RIVER at Big Timber	APR-JUL	250	290	315	111	340	380	285
	APR-SEP	260	310	340	108	370	420	315
MYSTIC LAKE Reservoir Inflow (2)	APR-JUL	50	54	57	95	60	64	60
	APR-SEP	63	70	74	96	78	85	77
STILLWATER RIVER nr Absarokee (2)	APR-JUL	370	425	465	94	505	560	495
	APR-SEP	435	505	550	94	595	665	585
CLARKS FORK RIVER nr Belfry	APR-JUL	475	525	560	104	595	645	540
	APR-SEP	515	570	610	103	650	705	595
COONEY RESERVOIR Inflow (2)	APR-JUL	31	37	41	87	45	51	47
	APR-SEP	38	45	50	88	55	62	57
YELLOWSTONE RIVER at Billings (2)	APR-JUL	2930	3340	3620	103	3900	4310	3510
	APR-SEP	3180	3920	4260	103	4600	5330	4120

UPPER YELLOWSTONE RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
MYSTIC LAKE	21.0	0.9	0.4	1.8
COONEY	27.4	22.4	18.3	18.3

UPPER YELLOWSTONE RIVER BASIN
Watershed Snowpack Analysis - April 1, 2009

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
YELLOWSTONE ab LIVINGSTON	18	92	107
SHIELDS	4	108	103
BOULDER-STILLWATER	7	114	112
RED LODGE-ROCK CREEK	7	111	100
CLARK'S FORK	7	92	104
UPPER YELLOWSTONE BASIN	39	99	106

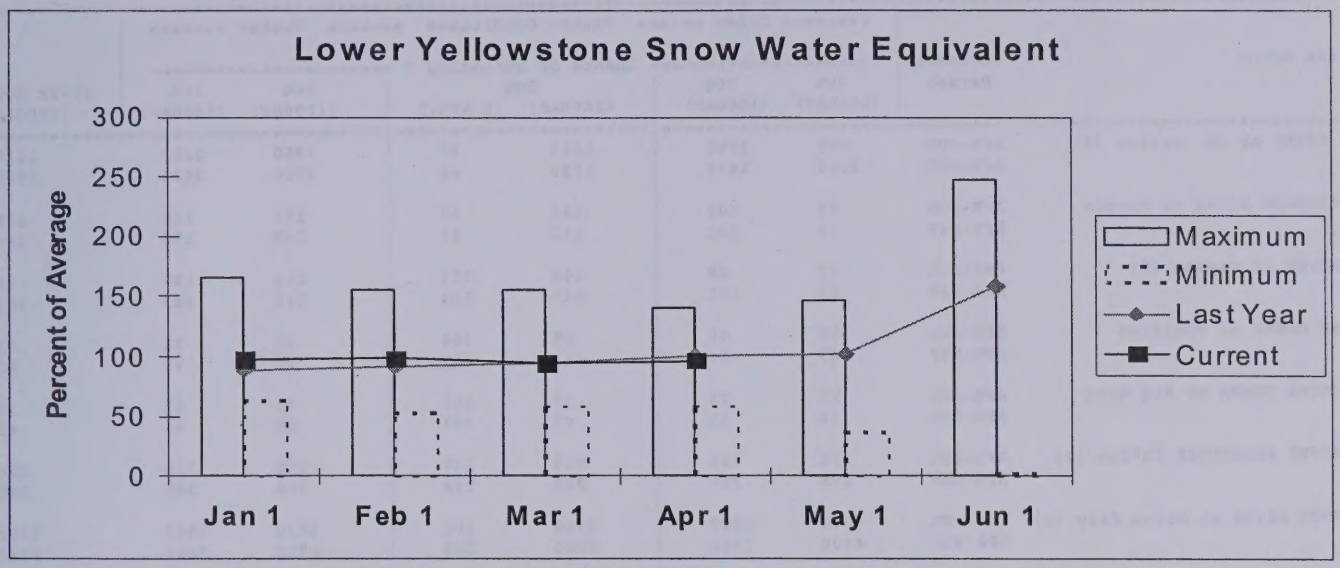
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

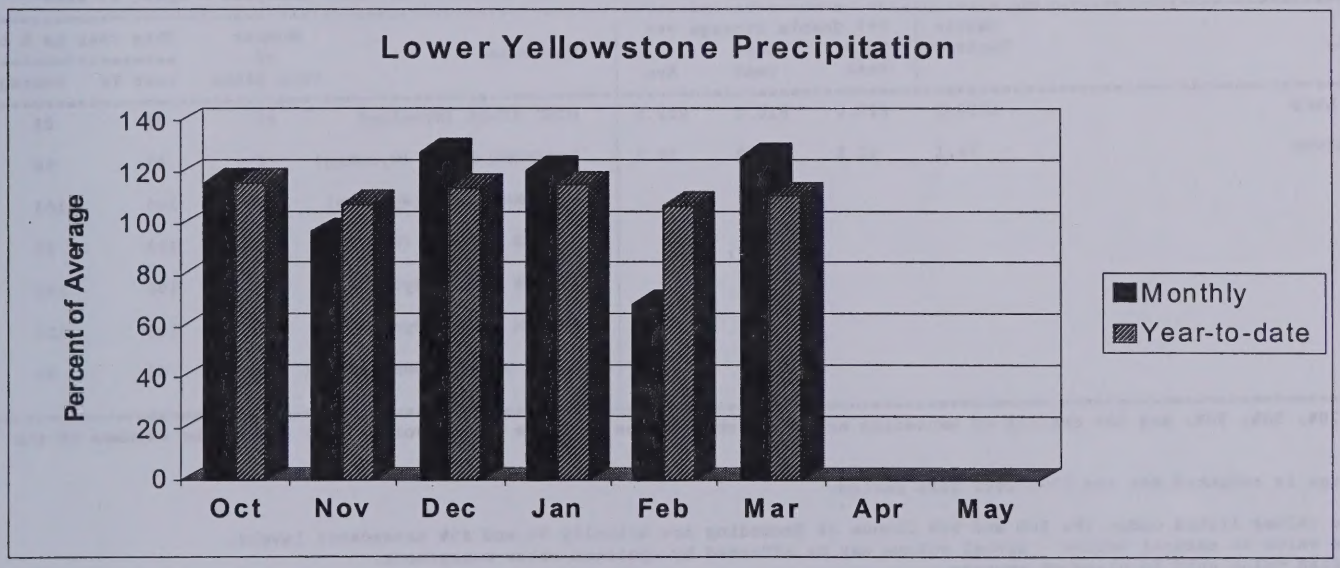
Lower Yellowstone River Basin

March accumulated snow water was 122 percent of average. Snowpack conditions in the Lower Yellowstone River Basin were near average and increased 2 percent from March 1. Snow water content was 96 percent of average and 96 percent of last year.



January maximum swe was established in 1997 and minimum swe was in 2000; February maximum swe was in 1997 and minimum swe was in 2001; March maximum swe was in 1986 and minimum swe was in 2001; April maximum swe was in 1986 and minimum swe was in 2001; May maximum swe was in 1997 and minimum swe was in 1981; and June maximum swe was in 1995 and minimum swe was in 2001. Average is for the period 1971 through 2000.

Mountain and valley precipitation during March was 126 percent of average and 113 percent of last year. Mountain and valley water year precipitation, beginning October 1, 2008, was 111 percent of average and 104 percent of last year.



Bighorn Lake storage was 113 percent of average and 113 percent of last year and Tongue River storage was 206 percent of average and 120 percent of last year.

Assuming average precipitation, April through July streamflows are forecast to average 87 to 103 percent.

Surface Water Supply Index (SWSI) was +0.6 in the Bighorn River below Bighorn Lake; +1.2 in the Little Bighorn River; +0.9 in the Yellowstone River below Bighorn River; +2.6 in the Tongue River; and +1.8 in the Powder River.

LOWER YELLOWSTONE RIVER BASIN
Streamflow Forecasts - April 1, 2009

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
BIGHORN RIVER nr St. Xavier (2)	APR-JUL	990	1350	1600	99	1850	2210	1610
	APR-SEP	1020	1440	1720	98	2000	2420	1760
LITTLE BIGHORN RIVER nr Hardin	APR-JUL	82	107	124	97	141	166	128
	APR-SEP	94	121	140	97	159	186	144
TONGUE RIVER nr Dayton (2)	APR-JUL	73	89	100	104	111	127	96
	APR-SEP	83	101	113	104	125	143	109
BIG GOOSE CREEK nr Sheridan	APR-JUL	39	49	55	106	61	71	52
	APR-SEP	47	56	63	105	70	79	60
LITTLE GOOSE CREEK nr Big Horn	APR-JUL	27	33	37	109	41	47	34
	APR-SEP	34	41	45	107	49	56	42
TONGUE RIVER RESERVOIR Inflow (2)	APR-JUL	136	195	235	107	275	335	220
	APR-SEP	155	220	260	104	300	365	250
YELLOWSTONE RIVER at Miles City (2)	APR-JUL	4200	4890	5360	100	5830	6520	5360
	APR-SEP	4600	5640	6220	100	6800	7840	6210
POWDER RIVER at Moorehead	APR-JUL	110	178	225	110	270	340	205
	APR-SEP	131	200	250	109	300	370	230
POWDER RIVER nr Locate	APR-JUL	117	199	255	109	310	395	235
	APR-SEP	137	225	285	110	345	435	260
YELLOWSTONE RIVER nr Sidney (2)	APR-JUL	4140	5000	5590	102	6180	7040	5480
	APR-SEP	4780	5690	6430	102	7170	8070	6280

LOWER YELLOWSTONE RIVER BASIN
Reservoir Storage (1000 AF) - End of March

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
BIGHORN LAKE	1356.0	917.0	810.0	809.9
TONGUE RIVER	79.1	62.1	51.8	30.1

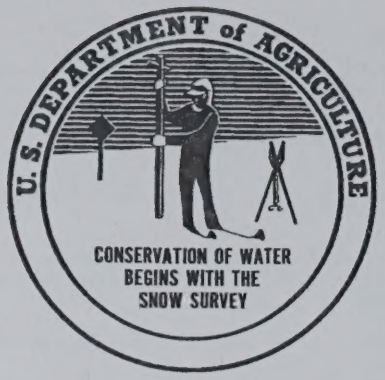
LOWER YELLOWSTONE RIVER BASIN
Watershed Snowpack Analysis - April 1, 2009

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
WIND RIVER (Wyoming)	20	89	86
SHOSHONE RIVER (Wyoming)	6	97	98
BIGHORN RIVER (Wyoming)	20	100	103
LITTLE BIGHORN (Wyoming)	3	103	98
TONGUE RIVER (Wyoming)	10	100	105
POWDER RIVER (Wyoming)	9	103	112
LOWER YELLOWSTONE BASIN (	48	96	96

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.



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Montana
Water Supply Outlook Report

Natural Resources Conservation Service
Bozeman, MT